Polycarbonate + ABS **SABIC** 

### Technical Data

Product Description ProVABS, hydrolytically stable. General Material Status Commercial: Active Search for UL Yellow Card SaRIC Commercial: Active Search for UL Yellow Card SaRIC Features Counter Commercial: Active Features Counter	Technical Data			
PC/ABS, hydrolytically stable. General Material Status - Commercial: Active Search for UL Yellow Card - SABIC Processing Method - Heat Aging Resistant Uses - Automotive Applications - Automotive Applications - Automotive Applications - Automotive Monotive Parts - Automotive Monotive Parts - Automotive Interior Parts - Automotive Molding Also Available In - Injection Molding Also Available In - Latin America - North America Processing Method - Injection Molding Also Available In - Latin America - North America Progeneration - Injection Molding Also Available In - Latin America - North America Physical Density / Specific Gravity - 1.14 g/cm <sup>2</sup> - 1850 1183 Meth Mass-Flow Rate (MFR) (260°C/5.0 kg) - 26 g/10 min - ASTM D/238 Meth Mass-Flow Rate (MFR) (260°C/5.0 kg) - 22.0 cm <sup>2</sup> /10 min - ISO 1183 Meth Mass-Flow Rate (MFR) (260°C/5.0 kg) - 23.0 cm <sup>2</sup> /10 min - ISO 1183 Meth Mass-Flow Rate (MFR) (260°C/5.0 kg) - 25.0 to 0.70 % Water Absorption - 3.20 mm - 0.50 to 0.70 % Water Absorption - 3.20 mm - 0.50 to 0.70 % Water Absorption - 27 - 0.40 % Equilibrium, 23°C, 50% RH - 0.15 % Mechanical 2.250 MPa - ISO 62.72.71 Tensile Strength - resile Modulus - 2.250 MPa - ISO 527.270 Fersuel Strength Yield <sup>3</sup> - 4.5 % ASTM D638 Break - 120 % ASTM D638 Break -	Product Description			
General         Material Status <ul> <li>Commercial: Active</li> <li>SABIC</li> <li>CYCOLOY<sup>IM</sup> Resin</li> </ul> Availability <ul> <li>Asia Pacific</li> <li>High Flow</li> <li>Horto HL Legoth Pacestance</li> <li>Horto HL Legoth Pacestance</li> <li>Non-specific Food Applications</li> <li>Automotive Linghund</li> <li>Flow razing Active The Hood</li> <li>Electricat/Electronic</li> <li>ASTM D792</li> <li>ISO 1183</li> </ul> <li>Molding Shrinkage</li> <li>Internal Method</li> <li>ISO 1183</li> <li>Molding Shrinkage</li> <li>O.50 to 0.70 %</li> <li>Molding Shrinkage</li> <li>Iso 62</li> <li>Gato material Method</li> <li>Iso 62</li> <li>Saturation, 23°C</li> <li>Goth O</li> <li>Goth OS</li> <li>Goth OS 62</li> <li>Saturation, 23°C 50% RH</li> <li>Iso 627-210</li>	PC/ABS, hydrolytically stable.			
Material Status       • Commercial: Active         Search for UL Yellow Card       • SABC         Availability       • Asia Pacific         Features       • Ductile       • High Flow         • Heat Aging Resistant       • High Flow       • Hydrolytically Stable         • Latomotive Euclide       • High Flow       • High Flow         • Automotive Euclide       • High Flow       • Hydrolytically Stable         • Automotive Euclide       • Automotive Euclide       • High Flow         • Automotive Euclide       • Automotive Euclide       • Non-specific Food Applications         • Automotive Euclide       • North America       • Non-specific Food Applications         Processing Method       • Injection Molding       • North America         Prosessing Method       • Latin America       • North America         Physical       North America       • North America         Meth Volume-Flow Rate (MVR) (280°C/5.0 kg)       22.0 cm?10min       ISO 1133         Method       0.50 to 0.70 %       Internal Method         Flow: i 3.20 mm       0.50 to 0.70 %       Iso 62         Saturation, 23°C       0.96 KH       0.16 %       Ge 200 MPa         Gato Maria Saturation, 23°C       0.96 KH       0.16 %       Ge 200 MPa         -2 <th>General</th> <th></th> <th></th> <th></th>	General			
Search for UL Yellow Card       SABIC CYCOLOY* Resin         Availability       - Asia Pacific         Features       - Ductlie Heat Aging Resistant       - High Flow - High Resistance       - Hydrolytically Stable         Uses       - Automotive Applications - Automotive Exterior Parts - Automotive Indurer Parts - Automotite Indurer Parts - Automotive Indurer Parts -	Material Status	<ul> <li>Commercial: Active</li> </ul>		
Availability <ul> <li>Asia Pacific</li> <li>Ductile</li> <li>Ductile Resistant</li> <li>High Impact Resistance</li> <li>Non-specific Food Applications</li> <li>Automotive Lighting</li> <li>Automotive Under the Hood</li> <li>Electrical/Electronic Applications</li> <li>Automotive Under the Hood</li> <li>Electrical/Electronic Applications</li> <li>Non-specific Food Applications</li> <li>Processing Method</li> <li>Injection Molding</li> <li>Also Available In</li> <li>Latin America</li> <li>North America</li> <li>North America</li> <li>Soft MID 792</li> <li>Soft MID 793</li> <li>Soft MID 793</li></ul>	Search for UL Yellow Card	<ul><li>SABIC</li><li>CYCOLOY™ Resin</li></ul>		
Features       • Ductlie • Heat Aging Resistant       • High Flow • High Impact Resistance       • Hydrolytically Stable         Uses       • Automotive Applications • Automotive Interior Parts • North America       • Non-specific Food Applications • Automotive Interior • AsTM D792 • Interior • ASTM D792 • Interior • ISO 60° • ISO 60 • ITO % • Across Flow : 3.20 nm • 0.50 to 0.70 % • Metr Absorption • ISO 62 • Outo % • Casturation, 23°C • Outo % • Castur	Availability	<ul> <li>Asia Pacific</li> </ul>		
LSes <ul> <li>Automotive Applications</li> <li>Automotive Exterior Parts</li> <li>Automotive Linder the Hood</li> <li>Electrical/Electronic</li> <li>Applications</li> </ul> <ul> <li>Automotive Linder the Hood</li> <li>Electrical/Electronic</li> <li>Applications</li> <li>Automotive Linder the Hood</li> <li>Electrical/Electronic</li> <li>Applications</li> </ul> <ul> <li>North America</li> </ul> Processing Method <ul> <li>Injection Molding</li> </ul> Also Available In <li>Latin America</li> <ul> <li>North America</li> </ul> Physical         North America <ul> <li>North America</li> <li>North America</li> </ul> Physical         1.14 g/cm <sup>3</sup> ASTM D792           Density / Specific Gravity <ul> <li>1.14 g/cm<sup>3</sup></li> <li>ASTM D792</li> <li>ISO 1133</li> <li>Molding Shrinkage</li> <li>Internal Method</li> <li>Internal Method</li> </ul> Flow : 3.20 nm <ul> <li>0.50 to 0.70 %</li> <li>ISO 62</li> <li>Saturation, 23°C</li> <li>0.40 %</li> <li>Equilibrium, 23°C, 50% RH</li> <li>0.50 to 0.70 %</li> </ul> Methaboritin	Features	<ul><li>Ductile</li><li>Heat Aging Resistant</li></ul>	<ul><li>High Flow</li><li>High Impact Resistance</li></ul>	Hydrolytically Stable
Processing Method         Injection Molding           Also Available In              Latin America            Physical         Nominal Value Unit         Test Method           Density / Specific Gravity              1.14 g/cm <sup>3</sup> Spo 1183            Mett Mass-Flow Rate (MFR) (260°C/5.0 kg)              26 g/10 min             ASTM D792             Spo 1183            Mett Volume-Flow Rate (MVR) (260°C/5.0 kg)              22 0 cm <sup>3</sup> /10min          ASTM D1238            Mett Volume-Flow Rate (MVR) (260°C/5.0 kg)              22 0 cm <sup>3</sup> /10min          ASTM D1238            Molding Shrinkage         Internal Method              Internal Method            Flow : 3.20 mm              0.50 to 0.70 %               Internal Method            Vater Absorption              0.50 to 0.70 %               Internal Method            Saturation, 23°C              0.40 %             Equilibrium, 23°C, 50% RH               IsO 62           2              0.40 %               IsO 527-2/1            Tensile Modulus          -               2300 MPa          ASTM D638            -              2300 MPa               ASTM D638	Uses	<ul><li>Automotive Applications</li><li>Automotive Exterior Parts</li><li>Automotive Interior Parts</li></ul>	<ul> <li>Automotive Lighting</li> <li>Automotive Under the Hood</li> <li>Electrical/Electronic Applications</li> </ul>	Non-specific Food Applications
Also Available In       • Latin America       • North America         Physical       Nominal Value Unit       Test Method         Density / Specific Gravity       1.14 g/cm³       ASTM D792 ISO 1183         Mett Mass-Flow Rate (MFR) (260°C/5.0 kg)       26 g/10 min       ASTM D732         Mett Volume-Flow Rate (MVR) (260°C/5.0 kg)       22.0 cm³/10min       ISO 1133         Molding Shrinkage       Internal Method       Internal Method         Flow : 3.20 mm       0.50 to 0.70 %       Across Flow : 3.20 mm       0.50 to 0.70 %         Vater Absorption       ISO 62       62       62         Saturation, 23°C       0.40 %       Equilibrium, 23°C, 50% RH       0.15 %         Mechanical       Nominal Value Unit       Test Method         Tensile Modulus        2300 MPa       ASTM D638          2250 MPa       ISO 527-2/1       Iso 527-2/1         Tensile Strength       -       2250 MPa       ASTM D638          2250 MPa       ASTM D638       S3.0 MPa       ASTM D638          53.0 MPa       ASTM D638       S5.0 S27-2/50         Break 3       53.0 MPa       ASTM D638       S5.0 S27-2/50         Tensile Elongation       4.5 %       ASTM D638       S5.0 S27	Processing Method	<ul> <li>Injection Molding</li> </ul>		
Physical         Nominal Value Unit         Test Method           Density / Specific Gravity         1.14 g/cm³         ASTM D792 ISO 1183           Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)         26 g/10 min         ASTM D1238           Mett Volume-Flow Rate (MFR) (260°C/5.0 kg)         22.0 cm³/10min         ISO 1133           Molding Shrinkage         Internal Method         ISO 1133           Molding Shrinkage         0.50 to 0.70 %         Internal Method           Flow : 3.20 mm         0.50 to 0.70 %         ISO 62           Saturation, 23°C         0.40 %         ISO 62           Saturation, 23°C C         0.40 %         ISO 62           Gaulibrium, 23°C, 50% RH         0.15 %         ISO 63           Tensile Modulus         Test Method         ISO 527-2/1           Tensile Modulus          2250 MPa         ISO 527-2/1           Tensile Strength         54.0 MPa         ASTM D638           Yield 3         53.0 MPa         ASTM D638           Break 3         53.0 MPa         ASTM D638           Break 3         53.0 MPa         ASTM D638           Yield 3         4.5 %         ISO 527-2/50           Tensile Iongation         Yield 3         4.5 %         ISO 527-2/50	Also Available In	Latin America	North America	
Density / Specific Gravity         1.14 g/cm³         ASTM D792 ISO 1183           Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)         26 g/10 min         ASTM D1238           Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)         22.0 cm³/10min         ISO 1133           Molding Shrinkage         Internal Method           Flow : 3.20 mm         0.50 to 0.70 %           Across Flow : 3.20 mm         0.50 to 0.70 %           Vater Absorption         ISO 62           Saturation, 23°C         0.40 %           Equilibrium, 23°C, 50% RH         0.15 %           Mechanical         Nominal Value Unit         Test Method           Tensile Modulus        2         2200 MPa         ASTM D638            2200 MPa         ISO 527-2/1         Testile Strength           Yield <sup>3</sup> 54.0 MPa         ASTM D638           Yield <sup>3</sup> 53.0 MPa         ASTM D638           Break         53.0 MPa         ISO 527-2/50           Tensile Elongation	Physical		Nominal Value Unit	Test Method
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)         26 g/10 min         ASTM D1238           Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)         22.0 cm²/10min         ISO 1133           Molding Shrinkage         Internal Method           Flow: 3.20 mm         0.50 to 0.70 %           Across Flow: 3.20 mm         0.50 to 0.70 %           Water Absorption         ISO 62           Saturation, 23°C         0.40 %           Equilibrium, 23°C, 50% RH         0.15 %           Mechanical         Nominal Value Unit         Test Method           Tensile Modulus         -         -           -2         2300 MPa         ASTM D638          2         53.0 MPa         ISO 527-2/50           Break <sup>3</sup> 50 527-2/50           Break <sup>3</sup> ISO 527-2/50           Tensile Elongation         4.5 %         AST	Density / Specific Gravity		1.14 g/cm <sup>3</sup>	ASTM D792 ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)         22.0 cm³/10min         ISO 1133           Molding Shrinkage         Internal Method           Flow : 3.20 mm         0.50 to 0.70 %           Across Flow : 3.20 mm         0.50 to 0.70 %           Water Absorption         ISO 62           Saturation, 23°C         0.40 %           Equilibrium, 23°C, 50 % RH         0.15 %           Mechanical         Nominal Value Unit         Test Method           Modulus        2         2300 MPa         ASTM D638          2         2300 MPa         ASTM D638	Melt Mass-Flow Rate (MFR) (260°	Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)		ASTM D1238
Molding Shrinkage         Internal Method           Flow : 3.20 mm         0.50 to 0.70 %           Across Flow : 3.20 mm         0.50 to 0.70 %           Water Absorption         ISO 62           Saturation, 23°C         0.40 %           Equilibrium, 23°C, 50% RH         0.15 %           Mechanical         Nominal Value Unit         Test Method           Tensile Modulus         -         -          2         2300 MPa         ASTM D638            2250 MPa         ISO 527-2/1           Tensile Strength         -         -           Yield <sup>3</sup> 54.0 MPa         ASTM D638           Yield <sup>3</sup> 54.0 MPa         ISO 527-2/50           Break <sup>3</sup> 53.0 MPa         ISO 527-2/50           Break <sup>3</sup> 53.0 MPa         ISO 527-2/50           Tensile Elongation         -         -           Yield <sup>3</sup> 4.5 %         ISO 527-2/50           Break <sup>3</sup> 120 %         ASTM D638           Yield <sup>3</sup> 4.5 %         ISO 527-2/50           Break <sup>3</sup> 120 %         ASTM D638           Yield <sup>3</sup> 4.5 %         ISO 527-2/50           Break <sup>3</sup> 120 %         ASTM D	Melt Volume-Flow Rate (MVR) (26	60°C/5.0 kg)	22.0 cm <sup>3</sup> /10min	ISO 1133
Flow : 3.20 mm         0.50 to 0.70 %           Across Flow : 3.20 mm         0.50 to 0.70 %           Water Absorption         ISO 62           Saturation, 23°C         0.40 %           Equilibrium, 23°C, 50% RH         0.15 %           Mechanical         Nominal Value Unit         Test Method           Tensile Modulus         -         -           -2         2300 MPa         ASTM D638          2         2250 MPa         ISO 527-2/1           Tensile Strength         -         -           Yield <sup>3</sup> 54.0 MPa         ASTM D638           Yield <sup>3</sup> 54.0 MPa         ISO 527-2/50           Break <sup>3</sup> 53.0 MPa         ASTM D638           Break <sup>3</sup> 53.0 MPa         ISO 527-2/50           Itensile Elongation         -         -           Yield <sup>3</sup> 4.5 %         ISO 527-2/50           Break <sup>3</sup> 53.0 MPa         ISO 527-2/50           Break <sup>3</sup> ISO 527-2/50         -           Yield <sup>3</sup> 4.5 %         ISO 527-2/50           Break <sup>3</sup> ISO 527-2/50         -           Break <sup>3</sup> 120 %         ASTM D638           Break <sup>3</sup> 120 % <t< td=""><td>Molding Shrinkage</td><td></td><td></td><td>Internal Method</td></t<>	Molding Shrinkage			Internal Method
Across Flow : 3.20 mm         ISO 62           Water Absorption         0.40 %           Equilibrium, 23°C         0.40 %           Equilibrium, 23°C, 50% RH         0.15 %           Mechanical         Nominal Value Unit         Test Method           Tensile Modulus	Flow : 3.20 mm		0.50 to 0.70 %	
Water Absorption         ISO 62           Saturation, 23°C         0.40 %           Equilibrium, 23°C, 50% RH         0.15 %           Mechanical         Nominal Value Unit         Test Method           Tensile Modulus        2         2300 MPa         ASTM D638          2         2250 MPa         ISO 527-2/1           Tensile Strength        2        2           Yield <sup>3</sup> 54.0 MPa         ASTM D638           Streak         53.0 MPa         ASTM D638           Break         53.0 MPa         ASTM D638           Break         53.0 MPa         ISO 527-2/50           Tensile Elongation	Across Flow : 3.20 mm		0.50 to 0.70 %	
Saturation, 23°C         0.40 %           Equilibrium, 23°C, 50% RH         0.15 %           Mechanical         Nominal Value Unit         Test Method           Tensile Modulus         2300 MPa         ASTM D638          2         2300 MPa         ISO 527-2/1           Tensile Strength         2250 MPa         ISO 527-2/1           Tensile Strength         54.0 MPa         ASTM D638           Yield <sup>3</sup> 54.0 MPa         ISO 527-2/50           Break <sup>3</sup> 53.0 MPa         ASTM D638           Yield <sup>3</sup> 4.5 %         ASTM D638           Break <sup>3</sup> 53.0 MPa         ISO 527-2/50           Tensile Elongation         1SO 527-2/50         Streak <sup>3</sup> Yield <sup>3</sup> 4.5 %         ASTM D638           Yield <sup>3</sup> 4.5 %         ISO 527-2/50           Tensile Elongation         1SO 527-2/50           Flexural Modulus         120 %         ASTM D638           Break <sup>3</sup> 2300 MPa         AS	Water Absorption			ISO 62
Equilibrium, 23°C, 50% RH         0.15 %           Mechanical         Nominal Value Unit         Test Method           Tensile Modulus         -2         2300 MPa         ASTM D638            2250 MPa         ISO 527-2/1           Tensile Strength         2250 MPa         ASTM D638           Yield <sup>3</sup> 54.0 MPa         ASTM D638           Yield <sup>3</sup> 54.0 MPa         ASTM D638           Yield <sup>3</sup> 54.0 MPa         ISO 527-2/50           Break <sup>3</sup> 53.0 MPa         ASTM D638           Break <sup>3</sup> 53.0 MPa         ASTM D638           Break <sup>3</sup> 53.0 MPa         ASTM D638           Break <sup>3</sup> 53.0 MPa         ISO 527-2/50           Tensile Elongation	Saturation, 23°C		0.40 %	
Mechanical         Nominal Value Unit         Test Method           Tensile Modulus        2         2300 MPa         ASTM D638          2         2250 MPa         ISO 527-2/1           Tensile Strength         2250 MPa         ASTM D638           Yield <sup>3</sup> 54.0 MPa         ASTM D638           Yield <sup>3</sup> 54.0 MPa         ASTM D638           Yield 3         54.0 MPa         ISO 527-2/50           Break 3         53.0 MPa         ASTM D638           Break 3         53.0 MPa         ASTM D638           Break 3         53.0 MPa         ISO 527-2/50           Tensile Elongation         -         -           Yield 3         4.5 %         ASTM D638           Yield 3         4.5 %         ISO 527-2/50           Break 3         ISO 527-2/50         ISO 527-2/50           Break 3         ISO 527-2/50         ISO 527-2/50           Break 3         ISO 527-2/50         ISO 527-2/50           Flexural Modulus         -5         0.0 mm Span 4         ASTM D790          5         200 MPa         ASTM D790         -5           So 00 MPa         ASTM D790         -5         1SO 178	Equilibrium, 23°C, 50% RH		0.15 %	
Tensile Modulus      2       2300 MPa       ASTM D638        2       2250 MPa       ISO 527-2/1         Tensile Strength	Mechanical		Nominal Value Unit	Test Method
2         2300 MPa         ASTM D638            2250 MPa         ISO 527-2/1           Tensile Strength         54.0 MPa         ASTM D638           Yield <sup>3</sup> 54.0 MPa         ISO 527-2/50           Break <sup>3</sup> 53.0 MPa         ASTM D638           Break <sup>3</sup> 53.0 MPa         ASTM D638           Break <sup>3</sup> 53.0 MPa         ASTM D638           Break         53.0 MPa         ASTM D638           Break         53.0 MPa         ISO 527-2/50           Tensile Elongation	Tensile Modulus			
2250 MPa         ISO 527-2/1           Tensile Strength	2		2300 MPa	ASTM D638
Tensile Strength         Yield <sup>3</sup> 54.0 MPa       ASTM D638         Yield       54.0 MPa       ISO 527-2/50         Break <sup>3</sup> 53.0 MPa       ASTM D638         Break       53.0 MPa       ISO 527-2/50         Tensile Elongation       3       1SO 527-2/50         Yield <sup>3</sup> 4.5 %       ASTM D638         Yield <sup>3</sup> 4.5 %       ISO 527-2/50         Break <sup>3</sup> 120 %       ASTM D638         Yield <sup>3</sup> 120 %       ASTM D638         Break <sup>3</sup> 120 %       ISO 527-2/50         Break <sup>3</sup> 120 %       ASTM D638         Break <sup>3</sup> 120 %       ASTM D638         Break <sup>3</sup> 120 %       ISO 527-2/50         Flexural Modulus       50.0 mm Span <sup>4</sup> 2300 MPa       ASTM D790 <sup>5</sup> 2200 MPa       ISO 178         Flexural Stress       1SO 178       Stress			2250 MPa	ISO 527-2/1
Yield <sup>3</sup> 54.0 MPa         ASTM D638           Yield         54.0 MPa         ISO 527-2/50           Break <sup>3</sup> 53.0 MPa         ASTM D638           Break         53.0 MPa         ISO 527-2/50           Tensile Elongation         1SO 527-2/50           Yield <sup>3</sup> 4.5 %         ASTM D638           Yield <sup>3</sup> 4.5 %         ISO 527-2/50           Break <sup>3</sup> 1SO 527-2/50         Break <sup>3</sup> Yield <sup>3</sup> 4.5 %         ISO 527-2/50           Break <sup>3</sup> 120 %         ASTM D638           Break <sup>3</sup> 120 %         ASTM D638           Break <sup>3</sup> 120 %         ASTM D638           Break         120 %         ISO 527-2/50           Flexural Modulus         50.0 mm Span <sup>4</sup> 2300 MPa <sup>5</sup> 2200 MPa         ISO 178	Tensile Strength			
Yield         54.0 MPa         ISO 527-2/50           Break <sup>3</sup> 53.0 MPa         ASTM D638           Break         53.0 MPa         ISO 527-2/50           Tensile Elongation         -         -           Yield <sup>3</sup> 4.5 %         ASTM D638           Yield <sup>3</sup> 4.5 %         ISO 527-2/50           Break <sup>3</sup> 120 %         ASTM D638           Break <sup>3</sup> 120 %         ISO 527-2/50           Flexural Modulus        5         200 MPa         ASTM D790          5         2200 MPa         ISO 178	Yield <sup>3</sup>		54.0 MPa	ASTM D638
Break <sup>3</sup> 53.0 MPa         ASTM D638           Break         53.0 MPa         ISO 527-2/50           Tensile Elongation         4.5 %         ASTM D638           Yield <sup>3</sup> 4.5 %         ISO 527-2/50           Break <sup>3</sup> 120 %         ASTM D638           Break <sup>3</sup> 120 %         ASTM D638           Break <sup>3</sup> 120 %         ISO 527-2/50           Break <sup>3</sup> 120 %         ISO 527-2/50           Flexural Modulus         120 %         ASTM D638           50.0 mm Span <sup>4</sup> 2300 MPa         ASTM D790 <sup>5</sup> 2200 MPa         ISO 178           Flexural Stress         ISO 178         ISO 178	Yield		54.0 MPa	ISO 527-2/50
Break         53.0 MPa         ISO 527-2/50           Tensile Elongation         4.5 %         ASTM D638           Yield <sup>3</sup> 4.5 %         ISO 527-2/50           Break <sup>3</sup> 120 %         ASTM D638           Break <sup>3</sup> 120 %         ASTM D638           Break <sup>3</sup> 120 %         ISO 527-2/50           Break 3         120 %         ISO 527-2/50           Flexural Modulus         120 %         ISO 527-2/50           Flexural Modulus         2300 MPa         ASTM D790 <sup>5</sup> 2200 MPa         ISO 178           Flexural Stress         50.0 mm Span 4         100 mm Span4	Break <sup>3</sup>		53.0 MPa	ASTM D638
Tensile Elongation           Yield <sup>3</sup> 4.5 %         ASTM D638           Yield         4.5 %         ISO 527-2/50           Break <sup>3</sup> 120 %         ASTM D638           Break         120 %         ISO 527-2/50           Flexural Modulus         120 %         ISO 527-2/50           Flexural Modulus         2300 MPa         ASTM D790 <sup>5</sup> 2200 MPa         ISO 178	Break		53.0 MPa	ISO 527-2/50
Yield <sup>3</sup> 4.5 %         ASTM D638           Yield         4.5 %         ISO 527-2/50           Break <sup>3</sup> 120 %         ASTM D638           Break         120 %         ISO 527-2/50           Flexural Modulus         120 %         ISO 527-2/50           50.0 mm Span <sup>4</sup> 2300 MPa         ASTM D790 <sup>5</sup> 2200 MPa         ISO 178	Tensile Elongation			
Yield         4.5 %         ISO 527-2/50           Break <sup>3</sup> 120 %         ASTM D638           Break         120 %         ISO 527-2/50           Flexural Modulus         120 %         ASTM D790 <sup>5</sup> 2200 MPa         ASTM D790           Flexural Stress         ISO 178	Yield <sup>3</sup>		4.5%	ASTM D638
Break <sup>3</sup> 120 %         ASTM D638           Break         120 %         ISO 527-2/50           Flexural Modulus	Yield		4.5%	ISO 527-2/50
Break         120 %         ISO 527-2/50           Flexural Modulus         300 MPa         ASTM D790          5         2200 MPa         ISO 178           Flexural Stress         Flexural Stress         Stress	Break <sup>3</sup>		120 %	ASTM D638
Flexural Modulus50.0 mm Span 452200 MPaISO 178	Break		120 %	ISO 527-2/50
50.0 mm Span <sup>4</sup> 2300 MPa     ASTM D790      5     2200 MPa     ISO 178       Flexural Stress	Flexural Modulus			
<sup>5</sup> 2200 MPa ISO 178 Flexural Stress	50.0 mm Span <sup>4</sup>		2300 MPa	ASTM D790
Flexural Stress	5		2200 MPa	ISO 178
	Flexural Stress			
<sup>5, 6</sup> 82.0 MPa ISO 178	5, 6		82.0 MPa	ISO 178
Yield, 50.0 mm Span <sup>4</sup> 89.0 MPa ASTM D790	Yield, 50.0 mm Span <sup>4</sup>		89.0 MPa	ASTM D790



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Polycarbonate + ABS

SABIC

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Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength <sup>7</sup>		ISO 179/1eA
-30°C	30 kJ/m²	
23°C	65 kJ/m²	
Notched Izod Impact		
-30°C	430 J/m	ASTM D256
23°C	590 J/m	ASTM D256
-30°C <sup>8</sup>	30 kJ/m <sup>2</sup>	ISO 180/1A
23°C <sup>8</sup>	65 kJ/m²	ISO 180/1A
Instrumented Dart Impact		ASTM D3763
-30°C. Total Energy	67.0.1	
23°C. Total Energy	55.0.1	
Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature		
0.45 MPa Upannoolod 4.00 mm 64.0 mm Span <sup>9</sup>	126°C	ISO 75 2/Rf
1.8 MPa, Unannealed, 2.20 mm	120 C	
	107 C	AST M D646
1.8 MPa, Unannealed, 4.00 mm, 64.0 mm Span <sup>9</sup>	105 °C	ISU 75-2/Af
Vicat Sottening Temperature		
	126 °C	ASTM D1525 <sup>10</sup>
	107.00	ISO 306/B50 10
	127°C	ISO 306/B120
Ball Pressure Test (73 to 77°C)	Pass	IEC 60695-10-2
CLTE		
Flow : -40 to 40°C	7.0E-5 cm/cm/°C	ASTM E831
Flow : -40 to 40°C	8.0E-5 cm/cm/°C	ISO 11359-2
Transverse : -40 to 40°C	7.0E-5 cm/cm/°C	ASTM E831
Transverse : -40°C	8.0E-5 cm/cm/°C	ISO 11359-2
Thermal Conductivity	0.20 W/m/K	ISO 8302
Electrical	Nominal Value Unit	Test Method
Surface Resistivity	> 1.0E+15 ohms	IEC 60093
Volume Resistivity	> 1.0E+15 ohms · cm	IEC 60093
Electric Strength		IEC 60243-1
0.800 mm, in Oil	35 kV/mm	
1.60 mm, in Oil	25 kV/mm	
3.20 mm, in Oil	17 kV/mm	
Fill Analysis	Nominal Value Unit	Test Method
Melt Viscosity (260°C, 1500 sec^-1)	170 Pa·s	ISO 11443
Injection	Nominal Value Unit	
Drying Temperature	95 to 105 °C	
Drying Time	2.0 to 4.0 hr	
Suggested Max Moisture	0.020 %	
Hopper Temperature	60 to 80 °C	
Rear Temperature	230 to 260 °C	
Middle Temperature	250 to 290 °C	
Front Temperature	250 to 290 °C	
Nozzle Temperature	240 to 280 °C	
Processing (Melt) Temp	260 to 290 °C	
Mold Temperature	60 to 200 °C	



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#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specification	٦S.
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- <sup>2</sup> 5.0 mm/min
- <sup>3</sup> Type I, 50 mm/min
- <sup>4</sup> 1.3 mm/min
- <sup>5</sup> 2.0 mm/min
- <sup>6</sup> at Yield
- <sup>7</sup> 80\*10\*3 sp=62mm
- <sup>8</sup> 80\*10\*3 mm
- <sup>9</sup> 80\*10\*4 mm

<sup>10</sup> Rate A (50°C/h), Loading 2 (50 N)



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#### Where to Buy

#### Supplier SABIC

, Web: http://www.sabic.com/

#### Distributor

Guangzhou Hisun Chemical Co., Ltd. Telephone: +86-20-8732-0686 Web: http://www.hisunchemical.com Availability: China



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