

Technical Data Sheet



ROMILOY® ABS / PC 1015 F UV

ENGINEERING POLYMERS

ABS / PC-Blend, high flow, high temperature resistance

<i>Properties</i>	<i>Test Unit</i>	<i>Test Method</i>	<i>Test Condition</i>	<i>Value*</i>	<i>Remarks</i>
<i>Mechanical</i>					
Tensile Modulus	MPa	DIN EN ISO 527	1 mm/min 23°C	2,300	
Tensile Strength	MPa	DIN EN ISO 527	50 mm/min 23°C	55	
Elongation at Break	%	DIN EN ISO 527	50 mm/min 23°C	60	
Flexural Modulus	MPa	DIN EN ISO 178	2 mm/min 23°C	2,200	
Flexural Strength	MPa	DIN EN ISO 178	2 mm/min 23°C	85	
Notched Impact Strength (Charpy)	kJ/m ²	ISO 179 1eA	80 x 10 x 4 mm 23°C/-30°C	42/-	
Impact Strength (Charpy)	kJ/m ²	ISO 179 1eU	80 x 10 x 4 mm 23°C/-30°C	n.b./-	
<i>Physical.....</i>					
Density	g/cm ³	DIN EN ISO 1183	23°C, 50% RH	1.15	
Water Absorption	%	DIN EN ISO 62	23°C, 24 h	-	
<i>Thermal.....</i>					
Heat Distortion Temperature HDT A	°C	DIN EN ISO 75	1.8 MPa	110	
Vicat Softening Temperature B 50	°C	DIN EN ISO 306	50 °C/h 50N	138	
Melt Flow Rate, MFR	g/10 min	DIN EN ISO 1133	260 °C, 5kg	28	
Thermal Coefficient of Linear Expansion	10 ⁻⁴ .K ⁻¹	DIN 53752	23°C-55°C	-	
Shrinkage	%	DIN 16901	23°	0.4 – 0.7	
Flammability	class	UL-94	1.6 mm	HB	

* = These are average figures, which could vary in each production batch due to addition of pigments, antistatica, slip, uv stabilizer or other.

The information submitted is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors from the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

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