

Rheological properties			
ISO Data	dry / cond	Unit	Test Standard
Melt volume-flow rate, MVR	40 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-

Mechanical Properties			
ISO Data	dry / cond	Unit	Test Standard
Tensile Modulus	9000 / 6000	MPa	ISO 527
Stress at break	175 / 110	MPa	ISO 527
Strain at break	3 / 6	%	ISO 527
Tensile creep modulus, 1000h	* / 3200	MPa	ISO 899-1
Charpy impact strength (+23°C)	85 / 100	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	55 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	12 / 21	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	11 / -	kJ/m ²	ISO 179/1eA

Thermal Properties			
ISO Data	dry / cond	Unit	Test Standard
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	205 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	215 / *	°C	ISO 75-1/-2

Electrical Properties			
ISO Data	dry / cond	Unit	Test Standard
Relative permittivity, 1MHz	3.5 / 6	-	IEC 62631-2-1
Dissipation factor, 1MHz	200 / 2000	E-4	IEC 62631-2-1
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 62631-3-1
Comparative tracking index	550 / -	-	IEC 60112

Other Properties			
ISO Data	dry / cond	Unit	Test Standard
Water absorption	6.5 / *	%	Sim. to ISO 62
Humidity absorption	1.7 / *	%	Sim. to ISO 62
Density	1360 / -	kg/m ³	ISO 1183
Bulk density	700	kg/m ³	-

Material Specific Properties			
ISO Data	dry / cond	Unit	Test Standard
Viscosity number	145 / *	cm ³ /g	ISO 307, 1157, 1628

Processing Recommendation Injection Molding			
	Value	Unit	Test Standard
Melt temperature	260 - 290	°C	-
Mold temperature	80 - 120	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Applications

Automotive, Building Construction, IT / Business Machine, Electrical and Electronical

Disclaimer

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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