KEBATRON PPS C1065X1

PPS-(GF+MD)65

Barlog plastics GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.2**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.6**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**22000**	MPa	ISO 527
Stress at break	**130**	MPa	ISO 527
Strain at break	**0.8**	%	ISO 527
Charpy impact strength, +23°C	**18**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**8**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**278**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**260**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**17**	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**24**	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**V-0**	class	IEC 60695-11-10
Thickness tested	**0.4**	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	**1E14**	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Water absorption	**0.02**	%	Sim. to ISO 62
Density	**1970**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**120 - 140**	°C	-
Pre-drying - Time	**4 - 8**	h	-
Processing humidity	**≤0.02**	%	-
Melt temperature	**320 - 340**	°C	-
Mold temperature	**140 - 180**	°C	-
Back pressure	**<1**	MPa	-

Characteristics

Processing

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Features

Low Warpage

Applications

Aircraft and Aerospace, Automotive, Electrical and Electronical, Encapsulation

Regional Availability

Europe

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