KEBATRON PPS C3040G5

PPS-GF40 — Barlog plastics GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.2**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.8**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**15900**	MPa	ISO 527
Stress at break	**200**	MPa	ISO 527
Strain at break	**1.8**	%	ISO 527
Charpy impact strength, +23°C	**55**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**11**	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
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
Electric strength	**24**	kV/mm	IEC 60243-1
Comparative tracking index	**100**	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	**0.02**	%	Sim. to ISO 62
Density	**1660**	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	-
Injection pressure	**<1**	MPa	-

Characteristics

Processing
Injection Molding

Applications
Automotive, Electrical and Electronical, Encapsulation

Special Characteristics
Heat stabilized or stable to heat

Regional Availability
Europe

Chemical Resistance
General Chemical Resistance, Hydrolytically Stable