

KEBATRON® PPS C1040G5

Polyphenylene Sulfide

BARLOG plastics GmbH

Message:

PPS, cross-linked, 40% glass fiber reinforced

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	Branched Polymer Structure		
Resin ID (ISO 1043)	PPS-GF40		
Physical	Nominal Value	Unit	Test Method
Density	1.65	g/cm³	ISO 1183
Water Absorption (Saturation, 23°C)	0.020	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	14500	MPa	ISO 527-2
Tensile Stress (Break)	190	MPa	ISO 527-2
Tensile Strain (Break)	1.8	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	270	°C	ISO 75-2/A
Melting Temperature ¹	285	°C	ISO 11357-3
CLTE - Flow	2.0E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value		Test Method
Flammability Classification ² (0.800 mm)	V-0		IEC 60695-11-10, -20
NOTE			
1.	10°C/min		
2.	UL Registered		

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