

SABIC Innovative Plastics NORYL EXNL1285 PPE+PS (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polystyrene (PS)

Material Notes:

Noryl* EXNL1285 Polyphenylene Oxide (PPO) + Polystyrene (PS) resin is a 40 % Glass Reinforced, injection moldable grade with improved hydrolytic stability and with a Tensile Modulus > 11000 MPa; this grade has been developed for fluid engineering applications where higher static stiffness is required.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-EXNL1285-PPEPS-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792
Density	1.40 g/cc	0.0506 lb/in ³	ISO 1183
Water Absorption at Saturation	0.20 %	0.20 %	ISO 62
Melt Index of Compound	20 g/10 min @Load 10.0 kg, Temperature 300 Â°C	20 g/10 min @Load 22.0 lb, Temperature 572 Â°F	MVR [cm ³ /10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	155 MPa	22500 psi	5 mm/min; ISO 527
Elongation at Break	1.8 %	1.8 %	5 mm/min; ISO 527
Tensile Modulus	11.3 GPa	1640 ksi	1 mm/min; ISO 527
Flexural Yield Strength	195 MPa	28300 psi	2 mm/min; ISO 178
Flexural Modulus	9.50 GPa	1380 ksi	2 mm/min; ISO 178
Izod Impact, Unnotched (ISO)	30.0 kJ/m ²	14.3 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Vicat Softening Point	161 Â°C	322 Â°F	Rate B/120; ISO 306

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