

SABIC Innovative Plastics NORYL PPX PPX7112 PPE+PP (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polypropylene (PP)

Material Notes:

PPE+PP blend. Suitable for painted exterior automotive applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-PPX-PPX7112-PPEPP-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	0.990 g/cc	0.0358 lb/in ³	ISO 1183
Melt Index of Compound	12 g/10 min @Load 5.00 kg, Temperature 260 °C	12 g/10 min @Load 11.0 lb, Temperature 500 °F	MVR [cm ³ /10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	70	70	ISO 2039-2
Tensile Strength at Break	34.0 MPa	4930 psi	50 mm/min; ISO 527
Tensile Strength, Yield	36.0 MPa	5220 psi	50 mm/min; ISO 527
Elongation at Break	110 %	110 %	50 mm/min; ISO 527
Elongation at Yield	5.5 %	5.5 %	50 mm/min; ISO 527
Tensile Modulus	1.70 GPa	247 ksi	1 mm/min; ISO 527
Flexural Yield Strength	48.0 MPa	6960 psi	2 mm/min; ISO 178
Flexural Modulus	1.42 GPa	206 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	39.0 kJ/m ²	18.6 ft-lb/in ²	80*10*4; ISO 180/1A
	10.0 kJ/m ² @Temperature -30.0 °C	4.76 ft-lb/in ² @Temperature -22.0 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	NB	NB	80*10*4; ISO 180/1U
	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	80*10*4; ISO 180/1U
Charpy Impact Unnotched	NB	NB	Edgew 80*10*4 sp=62mm; ISO 179/1eU
	NB	NB	

Mechanical Properties	Metric @ Temperature -30.0 Â°C	English @ Temperature -22.0 Â°F	Comments Edgew 80*10*4 sp=62mm; ISO 179/1eA
Charpy Impact, Notched	3.80 J/cmÂ²	18.1 ft-lb/inÂ²	Edgew 80*10*4 sp=62mm; ISO 179/1eA
	0.600 J/cmÂ² @Temperature -30.0 Â°C	2.86 ft-lb/inÂ² @Temperature -22.0 Â°F	Edgew 80*10*4 sp=62mm; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	113 Â°C	235 Â°F	Edgew 120*10*4 sp=100mm; ISO 75/Be
Deflection Temperature at 1.8 MPa (264 psi)	84.0 Â°C	183 Â°F	Edgew 120*10*4 sp=100mm; ISO 75/Ae
Vicat Softening Point	78.0 Â°C	172 Â°F	Rate B/50; ISO 306
	83.0 Â°C	181 Â°F	Rate B/120; ISO 306

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