

SABIC Innovative Plastics NORYL PX1278 PPE+PS

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

Material Notes:

Primarily EXTRUSION material. Automotive. Passes FMVSS 302. Heat resistance of 130 C (266 F).

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-PX1278-PPEPS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792
Water Absorption	0.060 % @Time 86400 sec	0.060 % @Time 24.0 hour	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	121	121	ASTM D785
Tensile Strength, Yield	59.0 MPa	8560 psi	Type I, 50 mm/min; ASTM D638
Elongation at Break	29 %	29 %	Type I, 50 mm/min; ASTM D638
Flexural Yield Strength	93.0 MPa	13500 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	2.37 GPa	344 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	2.50 J/cm	4.68 ft-lb/in	ASTM D256
	1.22 J/cm @Temperature -30.0 Â°C	2.29 ft-lb/in @Temperature -22.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	54.0 Âµm/m-Â°C @Temperature -40.0 - 95.0 Â°C	30.0 Âµin/in-Â°F @Temperature -40.0 - 203 Â°F	ASTM E 831
Deflection Temperature at 0.46 MPa (66 psi)	140 Â°C @Thickness 6.40 mm	284 Â°F @Thickness 0.252 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	132 Â°C @Thickness 6.40 mm	270 Â°F @Thickness 0.252 in	unannealed; ASTM D648

Descriptive Properties	Value	Comments
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Specific Volume Descriptive Properties	0.93cm ³ /g Value	ASTM D792 Comments
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China