

SABIC Innovative Plastics Noryl ENV85 PPE+PS (Asia Pacific)

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

Material Notes:

Low heat, flame retardant, extrusion grade PPO/HIPS alloy. Internal flammability results only. Not a UL recognised material. This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Noryl-ENV85-PPEPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D 792
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.0 MPa	6530 psi	Type I, 50 mm/min; ASTM D 638
Elongation at Break	38 %	38 %	Type I, 50 mm/min; ASTM D 638
Flexural Yield Strength	70.0 MPa	10200 psi	1.3 mm/min, 50 mm span; ASTM D 790
Flexural Modulus	2.35 GPa	341 ksi	1.3 mm/min, 50 mm span; ASTM D 790
Izod Impact, Notched	3.09 J/cm	5.79 ft-lb/in	ASTM D 256
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	133 Åµm/m-Å°C	73.9 Åµin/in-Å°F	ASTM E 831
	@Temperature -40.0 - 60.0 Å°C	@Temperature -40.0 - 140 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	78.0 Å°C	172 Å°F	unannealed; ASTM D 648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Flammability, UL94	85.0 Å°C	185 Å°F	unannealed; ASTM D 648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Flammability, UL94	V-0	V-0	UL 94 by SABIC-IP
	@Thickness 3.20 mm	@Thickness 0.126 in	

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