

SABIC Innovative Plastics NORYL EN7010 PPE+SEBS (Asia Pacific)

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Styrene-Butadiene

Material Notes:

High heat, Non halogenated flame retardant Noryl product for Film

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-EN7010-PPESEBS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792
Viscosity	610000 cP	610000 cP	Melt Viscosity, 280Â°C, 1500 sec-1; ISO 11443
Melt Flow	12 g/10 min @Load 5.00 kg, Temperature 300 Â°C	12 g/10 min @Load 11.0 lb, Temperature 572 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	71.0 MPa	10300 psi	Type I, 50 mm/min; ASTM D638
Elongation at Break	11 %	11 %	Type I, 50 mm/min; ASTM D638
Flexural Yield Strength	102 MPa	14800 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	2.38 GPa	345 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	3.00 J/cm	5.62 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	147 Â°C @Thickness 6.40 mm	297 Â°F @Thickness 0.252 in	unannealed; ASTM D648
UL RTI, Electrical	105 Â°C	221 Â°F	UL 746B
UL RTI, Mechanical with Impact	105 Â°C	221 Â°F	UL 746B
UL RTI, Mechanical without Impact	105 Â°C	221 Â°F	UL 746B
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	UL 94 by SABIC-IP

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	250 - 400 V	250 - 400 V	UL 746A

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