

SABIC Innovative Plastics PREVEX W20 PPE+PS

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

Material Notes:

Automotive. PPE alloy. High flow/impact. Instrument panels and interior trim components. HDT 210F.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-PREVEX-W20-PPEPS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0060 - 0.0070 cm/cm	0.0060 - 0.0070 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	103	103	ASTM D785
Tensile Strength, Yield	40.0 MPa	5800 psi	Type I, 50 mm/min; ASTM D638
Elongation at Break	52 %	52 %	Type I, 50 mm/min; ASTM D638
Tensile Modulus	1.93 GPa	280 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	62.0 MPa	8990 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	2.03 GPa	294 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	3.47 J/cm	6.50 ft-lb/in	ASTM D256
	2.13 J/cm	3.99 ft-lb/in	ASTM D256
Gardner Impact	@Temperature -30.0 °C	@Temperature -22.0 °F	
	37.0 J	27.3 ft-lb	ASTM D3029
	27.0 J	19.9 ft-lb	ASTM D3029
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	29.0 J	21.4 ft-lb	ASTM D3029
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	79.2 µm/m-°C	44.0 µin/in-°F	ASTM E 831
	@Temperature -40.0 - 40.0 °C	@Temperature -40.0 - 104 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	@Thickness 3.20 mm	@Thickness 0.126 in	unannealed; ASTM D648
	103 °C	217 °F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	

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