

## SABIC Innovative Plastics PREVEX W20 PPE+PS (Asia Pacific)

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-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-PREVEX-W20-PPEPS-Asia-Pacific.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	
Gardner Impact	37.0 J	27.3 ft-lb	ASTM D3029
	27.0 J	19.9 ft-lb	
	@Temperature -40.0 °C	@Temperature -40.0 °F	ASTM D3029
	29.0 J	21.4 ft-lb	
	@Temperature -30.0 °C	@Temperature -22.0 °F	ASTM D3029

Thermal Properties	Metric	English	Comments
	79.2 Åµm/m-Å°C	44.0 Åµin/in-Å°F	

CTE, linear, Parallel to Flow Thermal Properties	Metric @ Temperature -40.0 - 40.0 Â°C	English @ Temperature -40.0 - 104 Â°F	ASTM E 831 Comments
Deflection Temperature at 1.8 MPa (264 psi)	98.0 Â°C @Thickness 3.20 mm	208 Â°F @Thickness 0.126 in	unannealed; ASTM D648
	103 Â°C @Thickness 6.40 mm	217 Â°F @Thickness 0.252 in	unannealed; ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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