

## SABIC Innovative Plastics Noryl PX4058 PPE+PS (Asia Pacific)

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

### Material Notes:

PPO, polyolefin blend. Improved chemical resistance. 253F (125C) HDT. 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-PX4058-PPEPS-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Noryl-PX4058-PPEPS-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D 792
Water Absorption	0.070 %	0.070 %	ASTM D 570
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	96	96	ASTM D 785
Tensile Strength, Yield	44.0 MPa	6380 psi	Type I, 50 mm/min; ASTM D 638
Elongation at Break	114 %	114 %	Type I, 50 mm/min; ASTM D 638
Flexural Yield Strength	64.0 MPa	9280 psi	2.6 mm/min, 100 mm span; ASTM D 790
Flexural Modulus	1.79 GPa	260 ksi	2.6 mm/min, 100 mm span; ASTM D 790
Izod Impact, Notched	1.49 J/cm	2.79 ft-lb/in	ASTM D 256
	@Temperature -40.0 Å°C	@Temperature -40.0 Å°F	
Izod Impact, Unnotched	4.80 J/cm	8.99 ft-lb/in	ASTM D 256
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Izod Impact, Unnotched	2.67 J/cm	5.00 ft-lb/in	ASTM D 4812
	@Temperature -30.0 Å°C	@Temperature -22.0 Å°F	
Izod Impact, Unnotched	19.81 J/cm	37.11 ft-lb/in	ASTM D 4812
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Impact Test	2.00 J	1.48 ft-lb	Instrumented Impact Energy @ peak; ASTM D 3763
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	2.00 J	1.48 ft-lb	Instrumented Impact Energy @ peak;

Mechanical Properties	Metric @ Temperature -30.0 Â°C	English @ Temperature -22.0 Â°F	ASTM D 3763 Comments
Taber Abrasion, mg/1000 Cycles	8.0 @Load 1.00 kg	8.0 @Load 2.20 lb	CS-17; ASTM D 1044

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	140 Â°C @Thickness 6.40 mm	284 Â°F @Thickness 0.252 in	unannealed; ASTM D 648
Deflection Temperature at 1.8 MPa (264 psi)	122 Â°C @Thickness 6.40 mm	252 Â°F @Thickness 0.252 in	unannealed; ASTM D 648

## Contact Songhan Plastic Technology Co.,Ltd.

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