

## SABIC Innovative Plastics NORYL PKN4752 PPE+PS (Asia Pacific)

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

### Material Notes:

PPE+PS. Translucent. FDA compliant. High heat. Extrusion. Microwavable. Food, electrical/electronic packaging uses.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-NORYL-PKN4752-PPEPS-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-PKN4752-PPEPS-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0060 - 0.0090 cm/cm @Thickness 3.20 mm	0.0060 - 0.0090 in/in @Thickness 0.126 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	73.0 MPa	10600 psi	Type I, 50 mm/min; ASTM D638
Tensile Strength, Yield	86.0 MPa	12500 psi	Type I, 50 mm/min; ASTM D638
Elongation at Break	15 %	15 %	Type I, 50 mm/min; ASTM D638
Elongation at Yield	6.0 %	6.0 %	Type I, 50 mm/min; ASTM D638
Tensile Modulus	3.00 GPa	435 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	136 MPa	19700 psi	2.6 mm/min, 100 mm span; ASTM D790
	144 MPa	20900 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	2.94 GPa	426 ksi	2.6 mm/min, 100 mm span; ASTM D790
	3.15 GPa	457 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.320 J/cm	0.599 ft-lb/in	ASTM D256
Dart Drop, Total Energy	6.00 J @Temperature 23.0 Â°C	4.43 ft-lb @Temperature 73.4 Â°F	ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	63.0 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	35.0 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ASTM E 831
	55.8 Âµm/m-Â°C	31.0 Âµin/in-Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	160 Â°C @Thickness 3.20 mm	320 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	151 Â°C @Thickness 3.20 mm	304 Â°F @Thickness 0.126 in	unannealed; ASTM D648
	151 Â°C @Thickness 6.40 mm	304 Â°F @Thickness 0.252 in	unannealed; ASTM D648
Vicat Softening Point	173 Â°C	343 Â°F	Rate B/50; ASTM D1525

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China