

## SABIC Innovative Plastics NORYL TPN9221 PPE+PS (Asia Pacific)

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

### Material Notes:

Transparent Noryl grade with 90dc and V-2 FR

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-NORYL-TPN9221-PPEPS-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-TPN9221-PPEPS-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ASTM D792
Water Absorption	0.070 %	0.070 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	66.0 MPa	9570 psi	SABIC - Japan Method
Elongation at Break	15 %	15 %	SABIC - Japan Method
Flexural Strength	73.0 MPa	10600 psi	ASTM D790
Flexural Modulus	2.20 GPa	319 ksi	ASTM D790
Izod Impact, Notched	0.490 J/cm	0.918 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	38.9 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	TMA
	@Temperature -30.0 - 30.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 86.0 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 1.8 MPa (264 psi)	90.0 $\text{Å}^\circ\text{C}$	194 $\text{Å}^\circ\text{F}$	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Flammability, UL94	V-2	V-2	UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

## **Contact Songhan Plastic Technology Co.,Ltd.**

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