

## SABIC Innovative Plastics NORYL PKN4752 PPE+PS (Europe-Africa-Middle East)

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

### Material Notes:

NORYL PKN4752 is a translucent, high heat PPO+PS extrusion grade for dilution with polystyrene resin. It is suitable for (microwavable) food packaging and is compliant with US and European food contact regulations.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-NORYL-PKN4752-PPEPS-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-PKN4752-PPEPS-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in <sup>3</sup>	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	86.0 MPa	12500 psi	50 mm/min; ISO 527
Elongation at Break	6.0 %	6.0 %	50 mm/min; ISO 527
Tensile Modulus	3.10 GPa	450 ksi	1 mm/min; ISO 527
Flexural Yield Strength	130 MPa	18900 psi	2 mm/min; ISO 178
Flexural Modulus	2.95 GPa	428 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	3.00 kJ/m <sup>2</sup>	1.43 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
	3.00 kJ/m <sup>2</sup> @Temperature -30.0 °C	1.43 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	80*10*4; ISO 180/1A
Charpy Impact, Notched	0.200 J/cm <sup>2</sup>	0.952 ft-lb/in <sup>2</sup>	Edgew 80*10*4 sp=62mm; ISO 179/1eA
	0.200 J/cm <sup>2</sup> @Temperature -30.0 °C	0.952 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	Edgew 80*10*4 sp=62mm; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	163 °C	325 °F	Edgew 120*10*4 sp=100mm; ISO 75/Be
Deflection Temperature at 1.8 MPa (264 psi)	147 °C	297 °F	Edgew 120*10*4 sp=100mm; ISO 75/Ae
Vicat Softening Point	174 °C	345 °F	Rate A/50; ISO 306

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

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