

## SABIC Innovative Plastics NORYL PPX PPX7110 PPE+PP (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polypropylene (PP)

### Material Notes:

PPX7110 is an alloy of PP and PPO, providing high impact and good heat resistance. Generic identification acc. ISO11469: >PP+PPE+PS-I

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-NORYL-PPX-PPX7110-PPEPP-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-PPX-PPX7110-PPEPP-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	0.970 g/cc	0.0350 lb/in <sup>3</sup>	ISO 1183
Melt Index of Compound	11 g/10 min @Load 5.00 kg, Temperature 260 °C	11 g/10 min @Load 11.0 lb, Temperature 500 °F	MVR [cm <sup>3</sup> /10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, H358/30	65.0 MPa	9430 psi	ISO 2039-1
Tensile Strength at Break	30.0 MPa	4350 psi	5 mm/min; ISO 527
Tensile Strength, Yield	34.0 MPa	4930 psi	5 mm/min; ISO 527
Elongation at Break	195 %	195 %	5 mm/min; ISO 527
Elongation at Yield	6.0 %	6.0 %	5 mm/min; ISO 527
Tensile Modulus	1.50 GPa	218 ksi	1 mm/min; ISO 527
Flexural Yield Strength	50.0 MPa	7250 psi	2 mm/min; ISO 178
Flexural Modulus	1.70 GPa	247 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	25.0 kJ/m <sup>2</sup>	11.9 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
	9.00 kJ/m <sup>2</sup> @Temperature -30.0 °C	4.28 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	NB	NB	80*10*4; ISO 180/1U
	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	80*10*4; ISO 180/1U
Charpy Impact Unnotched	NB	NB	Edgew 80*10*4 sp=62mm; ISO 179/1eU
	3.80 J/cm <sup>2</sup>	18.1 ft-lb/in <sup>2</sup>	

Mechanical Properties	Metric @ Temperature -30.0 Â°C	English @ Temperature -22.0 Â°F	Comments Edgew 80*10*4 sp=62mm; ISO 179/1eA
Charpy Impact, Notched	2.50 J/cmÂ²	11.9 ft-lb/inÂ²	Edgew 80*10*4 sp=62mm; ISO 179/1eA
	0.500 J/cmÂ² @Temperature -30.0 Â°C	2.38 ft-lb/inÂ² @Temperature -22.0 Â°F	Edgew 80*10*4 sp=62mm; ISO 179/1eA
Taber Abrasion, mg/1000 Cycles	75	75	CS-17, 1 kg; SABIC Method

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	90.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	50.0 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
CTE, linear, Transverse to Flow	120 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	66.7 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	108 Â°C	226 Â°F	Edgew 120*10*4 sp=100mm; ISO 75/Be
Deflection Temperature at 1.8 MPa (264 psi)	75.0 Â°C	167 Â°F	Edgew 120*10*4 sp=100mm; ISO 75/Ae
Vicat Softening Point	95.0 Â°C	203 Â°F	Rate B/50; ISO 306
	100 Â°C	212 Â°F	Rate B/120; ISO 306
Glow Wire Test	650 Â°C @Thickness 3.20 mm	1200 Â°F @Thickness 0.126 in	IEC 60695-2-12

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	IEC 60093
Surface Resistance	>= 1.00e+15 ohm	>= 1.00e+15 ohm	ROA; IEC 60093
Dielectric Constant	2.2 @Frequency 1.00e+6 Hz	2.2 @Frequency 1.00e+6 Hz	IEC 60250
	2.2 @Frequency 50.0 - 60.0 Hz	2.2 @Frequency 50.0 - 60.0 Hz	IEC 60250
Dielectric Strength	22.0 kV/mm @Thickness 3.20 mm	559 kV/in @Thickness 0.126 in	in oil; IEC 60243-1

Electrical Properties	0.00060 Metric	0.00060 English	Comments
Dissipation Factor	@Frequency 50.0 - 60.0 Hz	@Frequency 50.0 - 60.0 Hz	IEC 60250
	0.00060	0.00060	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	IEC 60250
Comparative Tracking Index	600 V	600 V	IEC 60112

## 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