

SABIC Innovative Plastics NORYL V095 PPE+PS (Europe-Africa-Middle East)

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

Material Notes:

Noryl* V095 resin is a modified PPE-PS blend that exhibits an excellent balance of non chlorinate, non brominate flame retardance, medium heat/high flow and low specific gravity for light weight parts. Noryl V095 is available in custom colors and may be an excellent material candidate for applications requiring light weight parts, good flame performance and excellent processability.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-V095-PPEPS-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792
Density	1.10 g/cc	0.0397 lb/in ³	ISO 1183
Moisture Absorption	0.0500 %	0.0500 %	23 ^o C / 50% RH; ISO 62
Water Absorption at Saturation	0.070 %	0.070 %	ISO 62
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	SABIC Method
Melt Flow	16.2 g/10 min @Load 3.80 kg, Temperature 200 ^o C	16.2 g/10 min @Load 8.38 lb, Temperature 392 ^o F	ASTM D1238
Melt Index of Compound	12 g/10 min @Load 1.20 kg, Temperature 280 ^o C	12 g/10 min @Load 2.65 lb, Temperature 536 ^o F	MVR [cm ³ /10 min]; ISO 1133
	26 g/10 min @Load 2.16 kg, Temperature 280 ^o C	26 g/10 min @Load 4.76 lb, Temperature 536 ^o F	MVR [cm ³ /10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	42.0 MPa	6090 psi	50 mm/min; ISO 527
	56.0 MPa	8120 psi	Type I, 50 mm/min; ASTM D638
Tensile Strength, Yield	55.0 MPa	7980 psi	Type I, 50 mm/min; ASTM D638
	58.0 MPa	8410 psi	50 mm/min; ISO 527
Elongation at Break	12 %	12 %	Type I, 50 mm/min; ASTM D638
	13 %	13 %	50 mm/min; ISO 527
Elongation at Yield	3.2 %	3.2 %	50 mm/min; ISO 527

Mechanical Properties	Metric	English	Comments
Tensile Modulus	2.58 GPa	374 ksi	50 mm/min; ASTM D638
	2.61 GPa	379 ksi	1 mm/min; ISO 527
Flexural Yield Strength	86.0 MPa	12500 psi	2 mm/min; ISO 178
Flexural Modulus	2.50 GPa	363 ksi	2 mm/min; ISO 178
	2.58 GPa	374 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.740 J/cm	1.39 ft-lb/in	ASTM D256
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	70.0 Åµm/m-Å°C	38.9 Åµin/in-Å°F	ASTM E 831
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
	70.0 Åµm/m-Å°C	38.9 Åµin/in-Å°F	ISO 11359-2
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
CTE, linear, Transverse to Flow	75.0 Åµm/m-Å°C	41.7 Åµin/in-Å°F	ASTM E 831
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
	75.0 Åµm/m-Å°C	41.7 Åµin/in-Å°F	ISO 11359-2
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	80.0 Å°C	176 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/ Af
	83.0 Å°C	181 Å°F	
	@Thickness 3.20 mm	@Thickness 0.126 in	unannealed; ASTM D648
Vicat Softening Point	100 Å°C	212 Å°F	Rate B/50; ISO 306
	101 Å°C	214 Å°F	Rate B/120; ISO 306
	101 Å°C	214 Å°F	Rate B/50; ASTM D1525
UL RTI, Electrical	65.0 Å°C	149 Å°F	UL 746B
UL RTI, Mechanical with Impact	65.0 Å°C	149 Å°F	UL 746B
UL RTI, Mechanical without Impact	65.0 Å°C	149 Å°F	UL 746B

Thermal Properties	V-0 Metric	V-0 English	Comments
	@Thickness 1.50 mm	@Thickness 0.0591 in	
Oxygen Index	31 %	31 %	ISO 4589
Glow Wire Test	700 Â°C	1290 Â°F	IEC 60695-2-13
	700 Â°C	1290 Â°F	IEC 60695-2-13
	700 Â°C	1290 Â°F	IEC 60695-2-13
	850 Â°C	1560 Â°F	IEC 60695-2-12
	@Thickness 3.00 mm	@Thickness 0.118 in	
	960 Â°C	1760 Â°F	IEC 60695-2-12
	@Thickness 1.00 mm	@Thickness 0.0394 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.90e+16 ohm-cm	1.90e+16 ohm-cm	IEC 60093
Surface Resistance	1.90e+17 ohm	1.90e+17 ohm	ASTM D257
	1.90e+17 ohm	1.90e+17 ohm	ROA; IEC 60093
Dielectric Constant	2.9	2.9	IEC 60250
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.0080	0.0080	IEC 60250
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Comparative Tracking Index	600 V	600 V	IEC 60112
Hot Wire Ignition, HWI	>= 120 sec	>= 120 sec	UL 746A
High Amp Arc Ignition, HAI	>= 120 arcs	>= 120 arcs	UL 746A

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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