

SABIC Innovative Plastics NORYL EM6101 PPE+PS

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

Material Notes:

Automotive interiors. Improved flow characteristics/overall processing economy. 250F DTUL. Good property retention/wide temperature range.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-EM6101-PPEPS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Water Absorption	0.20 %	0.20 %	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	53.0 MPa	7690 psi	Type I, 50 mm/min; ASTM D638
Elongation at Break	50 %	50 %	Type I, 50 mm/min; ASTM D638
Flexural Yield Strength	81.0 MPa	11700 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	2.30 GPa	334 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	3.20 J/cm	5.99 ft-lb/in	ASTM D256
	1.60 J/cm	3.00 ft-lb/in	
Dart Drop, Total Energy	53.0 J	39.1 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
	25.0 J	18.4 ft-lb	
	@Temperature -40.0 Â°C	@Temperature -40.0 Â°F	ASTM D256
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	Instrumented Impact Energy @ peak; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	93.6 Âµm/m-Â°C	52.0 Âµin/in-Â°F	ASTM E 831
	@Temperature 0.000 - 100 Â°C	@Temperature 32.0 - 212 Â°F	

Thermal Properties	Metric	English	Comments
Stress at 0.46 MPa (66 psi)	123 Â°C @Thickness 6.40 mm	253 Â°F @Thickness 0.252 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	121 Â°C @Thickness 6.40 mm	250 Â°F @Thickness 0.252 in	unannealed; ASTM D648

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