

SABIC Innovative Plastics Noryl EN130S PPE+HIPS (Europe-Africa-Middle East)

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

Material Notes:

Noryl EN130S is an extrusion grade with a Vicat B/120 temperature of 140 deg C, developed for profile extrusion and in compliance with Food contact regulations; color limited. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Noryl-EN130S-PPEHIPS-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	0.070 %	0.070 %	23 ^o C / 50% RH; ISO 62
Water Absorption at Saturation	0.25 % @Temperature 23.0 ^o C	0.25 % @Temperature 73.4 ^o F	ISO 62
Melt Flow	9.0 g/10 min @Load 5.00 kg, Temperature 280 ^o C	9.0 g/10 min @Load 11.0 lb, Temperature 536 ^o F	[cm ³ /10 min] Melt Volume Rate; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	50 mm/min; ISO 527
Tensile Strength, Yield	50.0 MPa	7250 psi	50 mm/min; ISO 527
Elongation at Break	50 %	50 %	50 mm/min; ISO 527
Elongation at Yield	4.0 %	4.0 %	50 mm/min; ISO 527
Tensile Modulus	2.30 GPa	334 ksi	1 mm/min; ISO 527
Flexural Yield Strength	70.0 MPa	10200 psi	2 mm/min; ISO 178
Flexural Modulus	2.10 GPa	305 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ² @Temperature -30.0 ^o C	2.86 ft-lb/in ² @Temperature -22.0 ^o F	80*10*4; ISO 180/1A
	13.0 kJ/m ² @Temperature 23.0 ^o C	6.19 ft-lb/in ² @Temperature 73.4 ^o F	80*10*4; ISO 180/1A
Charpy Impact, Notched	0.600 J/cm ²	2.86 ft-lb/in ²	V-notch Edgew 80*10*4 sp=62mm;

Mechanical Properties	Metric @Temperature -30.0 Â°C	English @Temperature -22.0 Â°F	ISO 179/1eA Comments
	1.20 J/cmÂ²	5.71 ft-lb/inÂ²	V-notch Edgew 80*10*4 sp=62mm; ISO 179/1eA
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	60.0 Âµm/m-Â°C	33.3 Âµin/in-Â°F	ISO 11359-2
	@Temperature 23.0 - 80.0 Â°C	@Temperature 73.4 - 176 Â°F	
CTE, linear, Transverse to Flow	70.0 Âµm/m-Â°C	38.9 Âµin/in-Â°F	ISO 11359-2
	@Temperature 23.0 - 80.0 Â°C	@Temperature 73.4 - 176 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	115 Â°C	239 Â°F	Edgew 120*10*4 sp=100mm; ISO 75/Ae
Vicat Softening Point	135 Â°C	275 Â°F	Rate B/50; ISO 306
	140 Â°C	284 Â°F	Rate B/120; ISO 306

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