

Styrolution Novodur® BX13036 ABS + PMMA

Category : Polymer , Thermoplastic , ABS Polymer , Acrylic (PMMA)

Material Notes:

Novodur BX13036 is a new PMMA/ABS blend with high surface quality, enhanced scratch resistance and balanced mechanical properties. Information provided by Styrolution

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styrolution-Novodur-BX13036-ABS-PMMA.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0050 - 0.0060 cm/cm	0.0050 - 0.0060 in/in	ISO 294-4
Melt Flow	16 g/10 min @Load 10.0 kg, Temperature 220 °C	16 g/10 min @Load 22.0 lb, Temperature 428 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	114.5	114.5	IEC 2039-2
Tensile Strength, Yield	48.0 MPa	6960 psi	ISO 527
Elongation at Break	10 %	10 %	ISO 527
Tensile Modulus	2.60 GPa	377 ksi	ISO 527
Charpy Impact Unnotched	2.60 J/cm ² @Temperature -30.0 °C	12.4 ft-lb/in ² @Temperature -22.0 °F	ISO 179
	6.00 J/cm ² @Temperature 23.0 °C	28.6 ft-lb/in ² @Temperature 73.4 °F	ISO 179
Charpy Impact, Notched	0.300 J/cm ² @Temperature -30.0 °C	1.43 ft-lb/in ² @Temperature -22.0 °F	ISO 179
	0.500 J/cm ² @Temperature 23.0 °C	2.38 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 - 100 µm/m-°C	44.4 - 55.6 µin/in-°F	ISO 11359

Thermal Properties	Metric	English	Comments
Vicat Softening Point	92.0 Â°C @Load 5.10 kg	198 Â°F @Load 11.2 lb	50Â°C/h; ISO 306
	100 Â°C @Load 1.02 kg	212 Â°F @Load 2.25 lb	50Â°C/h; ISO 306

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+18 ohm-cm	>= 1.00e+18 ohm-cm	IEC 60093
Comparative Tracking Index	600 V	600 V	IEC 60112

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 240 Â°C	392 - 464 Â°F	ISO 294
Mold Temperature	60.0 - 80.0 Â°C	140 - 176 Â°F	ISO 294
Drying Temperature	80.0 Â°C @Time 7200 - 14400 sec	176 Â°F @Time 2.00 - 4.00 hour	

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