

Styrolution Styrolux BX6400 SBC

Category : Polymer , Thermoplastic , Styrene-Butadiene , Styrene-Butadiene Copolymer, SBC

Material Notes:

Styrolux BX6400 is a developmental styrene butadiene copolymer (SBC) of high clarity and ultimate toughness used mainly in sheet and film extrusion and thermoforming applications. It is specifically designed for improved performance in blends with general-purpose polystyrene, providing parts with an excellent balance of toughness and transparency.Outstanding toughnessHigh GPPS blend capabilityExcellent clarityInformation provided by Styrolution

Order this product through the following link:
http://www.lookpolymers.com/polymer_Styrolution-Styrolux-BX6400-SBC.php

Physical Properties	Metric	English	Comments
Water Absorption at Saturation	0.070 %	0.070 %	ISO 62
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Melt Flow	12 g/10 min	12 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 200 Â°C	@Load 11.0 lb, Temperature 392 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	97	97	ISO 868
Hardness, Shore D	58	58	ISO 868
Tensile Strength, Yield	15.0 MPa	2180 psi	ISO 527
Elongation at Break	300 %	300 %	ISO 527
Elongation at Yield	2.0 %	2.0 %	ISO 527
Tensile Modulus	0.900 GPa	131 ksi	ISO 527
Flexural Strength	18.0 MPa	2610 psi	ISO 178
Flexural Modulus	0.900 GPa	131 ksi	ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/mÂ²	1.90 ft-lb/inÂ²	ISO 180/A
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	NB	NB	ASTM D 256
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	NB	NB	ISO 180/A

Mechanical Properties	Metric @Temperature 23.0 Â°C	English @Temperature 73.4 Â°F	Comments
Charpy Impact Unnotched	NB @Temperature 23.0 Â°C	NB @Temperature 73.4 Â°F	ISO 179
	NB @Temperature -30.0 Â°C	NB @Temperature -22.0 Â°F	ISO 179
Charpy Impact, Notched	8.50 J/cmÂ²	40.4 ft-lb/inÂ²	ISO 179

Thermal Properties	Metric	English	Comments
Vicat Softening Point	35.0 Â°C @Load 1.02 kg	95.0 Â°F @Load 2.25 lb	50Â°C/h; ISO 306
	67.0 Â°C @Load 5.10 kg	153 Â°F @Load 11.2 lb	50Â°C/h; ISO 306

Optical Properties	Metric	English	Comments
Haze	3.0 %	3.0 %	ASTM D 1003
Transmission, Visible	>= 89 % @Wavelength 550 nm	>= 89 % @Wavelength 550 nm	ASTM D 1003

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	IEC 60112

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 230 Â°C	374 - 446 Â°F	ISO 294

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