

Styrolution Styrolux S SBC

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

Material Notes:

Styrolux S is a new developmental, clear styrene-butadiene copolymer (SBC) designed specifically for blending with Styrolux T in order to enable high performance film extrusion and shrink film applications. As Styrolux S is blended with Styrolux T it increases the stiffness of the film and improves the storage stability of film reels (reduced natural shrinkage).Information provided by Styrolution

Order this product through the following link:
http://www.lookpolymers.com/polymer_Styrolution-Styrolux-S-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	11 g/10 min	11 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 D	83	83	ISO 868
Tensile Strength, Yield	2.00 MPa	290 psi	ISO 527
Elongation at Break	2.5 %	2.5 %	ISO 527
Tensile Modulus	2.90 GPa	421 ksi	ISO 527
Flexural Strength	75.0 MPa	10900 psi	ISO 178
Flexural Modulus	3.00 GPa	435 ksi	ISO 178
Charpy Impact Unnotched	2.00 J/cmÂ²	9.52 ft-lb/inÂ²	ISO 179
Charpy Impact, Notched	0.200 J/cmÂ²	0.952 ft-lb/inÂ²	ISO 179

Thermal Properties	Metric	English	Comments
Vicat Softening Point	64.0 Â°C	147 Â°F	50Â°C/h; ISO 306
	@Load 5.10 kg	@Load 11.2 lb	
	70.0 Â°C	158 Â°F	50Â°C/h; ISO 306
	@Load 1.02 kg	@Load 2.25 lb	

Optical Properties	Metric	English	Comments
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Haze Optical Properties	1.0 % Metric	1.0 % English	ASTM D 1003 Comments
Transmission, Visible	>= 90 % @Wavelength 550 nm	>= 90 % @Wavelength 550 nm	ASTM D 1003

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 230 Â°C	356 - 446 Â°F	ISO 294

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