

Styrolution Styrolux T SBC

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

Material Notes:

Styrolux T is a new developmental, clear and tough styrene-butadiene copolymer (SBC) designed specifically for high performance film extrusion and shrink film applications. Styrolux T has been developed for blending with a second SBC component, Styrolux S, which increases the stiffness of the film and improves the storage stability of film reels (reduced natural shrinkage). Excellent clarity and toughness. Maximum shrinkage up to 80%. Very good shrinkage control. Very low gel content. Information provided by Styrolution

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styrolution-Styrolux-T-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	67	67	ISO 868
Tensile Strength, Yield	25.0 MPa	3630 psi	ISO 527
Elongation at Break	250 %	250 %	ISO 527
Elongation at Yield	3.0 %	3.0 %	ISO 527
Tensile Modulus	1.20 GPa	174 ksi	ISO 527
Flexural Strength	32.0 MPa	4640 psi	ISO 178
Flexural Modulus	1.00 GPa	145 ksi	ISO 178
Charpy Impact Unnotched	2.00 J/cmÂ²	9.52 ft-lb/inÂ²	ISO 179
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
Charpy Impact, Notched	NB	NB	ISO 179
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact, Notched	0.200 J/cmÂ²	0.952 ft-lb/inÂ²	ISO 179

Thermal Properties	Metric	English	Comments
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Thermal Properties Vicat Softening Point	Metric 15.0 Â°C	English 115 Â°F	Comments 50Â°C/h; ISO 306
	@Load 5.10 kg	@Load 11.2 lb	
	62.0 Â°C	144 Â°F	50Â°C/h; ISO 306
	@Load 1.02 kg	@Load 2.25 lb	

Optical Properties	Metric	English	Comments
Haze	2.0 %	2.0 %	ASTM D 1003
Transmission, Visible	>= 89 %	>= 89 %	ASTM D 1003
	@Wavelength 550 nm	@Wavelength 550 nm	

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

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