

Styrolux S

Styrene Butadiene Copolymer (SBC)

TECHNICAL DATASHEET

DESCRIPTION

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).

FEATURES

- Excellent clarity
- High stiffness
- Very low gel content

APPLICATIONS

- Blend component for Styrolux T
- Shrink sleeve applications
- Label film

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Flow Rate, 200 °C/5 kg	ASTM D 1238	g/10 min	10
Mechanical Properties			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	0.2
Izod Unnotched Impact Strength	ASTM D 256	ft-lb/in	2
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	6240
Tensile Strain at Yield, 23 °C	ASTM D 638	%	2
Tensile Strain at Break, 23 °C	ASTM D 638	%	2.5
Tensile Modulus	ASTM D 638	psi x 10 ³	470
Flexural Strength, 23 °C	ASTM D 790		9900
Flexural Modulus, 23 °C	ASTM D 790	psi x 10 ³	380
Hardness, Shore D	ASTM D 2240	-	74
Thermal Properties			
Vicat Softening Temperature, B/1 (120 °C/h, 10N)	ASTM D 1525	°F	161
Optical Properties			
Light Transmission at 550 nm	ASTM D 1003	%	91