

# Styrolux T

Styrene Butadiene Copolymer (SBC)

## TECHNICAL DATASHEET

### DESCRIPTION

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).

### FEATURES

- High clarity and toughness
- Maximum shrinkage up to 80%
- Very good shrinkage control
- Very low gel content

### APPLICATIONS

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

Property, Test Condition	Standard	Unit	Values
<b>Rheological Properties</b>			
Melt Flow Rate, 200 °C/5 kg	ASTM D 1238	g/10 min	10
<b>Mechanical Properties</b>			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	0.5
Izod Unnotched Impact Strength	ASTM D 256	ft-lb/in	16
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	2640
Tensile Strain at Yield, 23 °C	ASTM D 638	%	3
Tensile Strain at Break, 23 °C	ASTM D 638	%	260
Tensile Modulus	ASTM D 638	psi x 10 <sup>3</sup>	132
Flexural Strength, 23 °C	ASTM D 790		3800
Flexural Modulus, 23 °C	ASTM D 790	psi x 10 <sup>3</sup>	125
Hardness, Shore D	ASTM D 2240	-	60
<b>Thermal Properties</b>			
Vicat Softening Temperature, B/1 ( 120 °C/h, 10N)	ASTM D 1525	°F	152
<b>Optical Properties</b>			
Light Transmission at 550 nm	ASTM D 1003	%	90

Typical values for uncolored products