

Asaflex™ 830

Styrene Butadiene Styrene Block Copolymer
AKelastomers

Message:

Film and sheet extrusion grade. Blended with SC*, for films with good balance of performance characteristics. Capability for inflation and sheet extrusion. It is supplied in pellet form.
In blends with GPPS, for IC carrier tapes. In blends with SC, for shrink films.
* Styrenic copolymer from PS Japan Corp. similar to Asaflex™ 830 in refraction index, resulting in blends that provide sheet transparency significantly higher than attainable with any GPPS (general-purpose polystyrene).

General Information	
Features	Copolymer
Uses	Film
	Sheet
	Tape
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Film Extrusion
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage	0.20 to 0.80	%	
Water Absorption (23°C, 24 hr)	0.10	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	10		ISO 2039-2
Shore Hardness (Shore D)	55		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	18.0	MPa	ISO 527-2/5
Tensile Strain (Break)	250	%	ISO 527-2/5
Flexural Modulus	1100	MPa	ISO 178
Flexural Stress	21.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (Partial Break)	15	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	60.0	°C	ISO 75-2/A
Vicat Softening Temperature	72.0	°C	ISO 306/A50

Optical	Nominal Value	Unit	Test Method
Transmittance (2000 μm)	89.0	%	ISO 3537
Haze (2000 μm)	2.0	%	ISO 3537

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