

# Asaflex™ 835

Styrene Butadiene Styrene Block Copolymer  
AKelastomers

## Message:

Sheet extrusion grade. Blended with SC\*, for sheets with high transparency and high impact resistance. It is supplied in pellet form.  
In blends with GPPS, for dessert cups. In blends with SC, for blister packs and shrink films with high transparency and high impact strength.  
\* Styrenic copolymer from PS Japan Corp. similar to Asaflex™ 835 in refraction index, resulting in blends that provide sheet transparency significantly higher than attainable with any GPPS (general-purpose polystyrene).

General Information			
Features	Copolymer		
	High Clarity		
	High Impact Resistance		
Uses	Film		
	Food Containers		
	Sheet		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm <sup>3</sup>	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 <sup>2</sup>	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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#### Recommended distributors for this material

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