

Asaflex™ 810

Styrene Butadiene Styrene Block Copolymer
AKelastomers

Message:

Film and sheet grade. Styrenic resins modifier, for high impact strength. Small-quantity addition to GPPS (general-purpose polystyrene) for sheets with good hinge characteristics and films with good elongation characteristics. Inflation and sheet extrusion capability. It is supplied in pellet form. Blended with GPPS for PSP* laminated, blister packs, and other films. Also as modifier to heighten deep-drawing performance, for frozen dessert cups and lids, and transparent cold-drink cups.

General Information			
Features	Copolymer		
	High Elongation		
	High Impact Resistance		
Uses	Blending		
	Cups		
	Film		
	Food Containers		
	Laminates		
	Sheet		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	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)	62		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	20.0	MPa	ISO 527-2/5
Tensile Strain (Break)	250	%	ISO 527-2/5
Flexural Modulus	1400	MPa	ISO 178
Flexural Stress	24.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	65.0	°C	ISO 75-2/A
Vicat Softening Temperature	83.0	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Transmittance (2000 μm)	89.0	%	ISO 3537
Haze (2000 μm)	1.2	%	ISO 3537

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