

# Asaflex™ 805

Styrene Butadiene Styrene Block Copolymer  
AKelastomers

Message:

Injection molding grade. For molded products with superior balance of high-level impact strength and rigidity, maximum transparency, and good surface appearance. It is supplied in pellet form.  
Food containers, cosmetics caps, pencil cases and other stationery goods, toys, swim goggle and other cases, consumer goods

General Information			
Features	Copolymer		
	Good Surface Finish		
	High Clarity		
	High Impact Resistance		
	High Rigidity		
Uses	Consumer Applications		
	Cosmetic Packaging		
	Food Containers		
	Stationary Supplies		
	Toys		
	Water Sports Equipment		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	10	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)	88		ISO 2039-2
Shore Hardness (Shore D)	75		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	30.0	MPa	ISO 527-2/5
Tensile Strain (Break)	15	%	ISO 527-2/5
Flexural Modulus	1550	MPa	ISO 178
Flexural Stress	50.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (Complete Break)	1.3	kJ/m <sup>2</sup>	ISO 179

Charpy Unnotched Impact Strength (Complete Break)	16	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	63.0	°C	ISO 75-2/A
Vicat Softening Temperature	91.0	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Transmittance (2000 μm)	90.0	%	ISO 13468
Haze (2000 μm)	0.50	%	ISO 14782

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#### Recommended distributors for this material

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