

Asaflex™ 800S

Styrene Butadiene Styrene Block Copolymer
AKelastomers

Message:

Injection & extrusion molding grade. For molded products with superior rigidity, and good surface appearance. It is supplied in pellet form. Containers, stationery goods, toys, and consumer goods.

General Information	
Features	Rigidity, high Copolymer Excellent appearance
Uses	Container Toys Stationery Consumer goods application field
Appearance	Clear/transparent
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	6.0	g/10 min	ISO 1133
Molding Shrinkage	0.20 - 0.80	%	
Water Absorption (23°C, 24 hr)	< 0.10	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	78		ISO 2039-2
Durometer Hardness (Shore D)	75		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	41.0	MPa	ISO 527-2/5
Tensile Strain (Break)	12	%	ISO 527-2/5
Flexural Modulus	2250	MPa	ISO 178
Flexural Stress	54.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (Complete Break)	1.1	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (Complete Break)	23	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	69.0	°C	ISO 75-2/A
Vicat Softening Temperature	96.0	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Transmittance (2000 μm)	90.0	%	ISO 13468
Haze (2000 μm)	3.0	%	ISO 14782

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