

# Tufprene™ A

Styrene Butadiene Styrene Block Copolymer  
AKelastomers

## Message:

The basic grade in the broad range of styrene-butadiene block copolymers from Asahi Kasei. A styrenic thermoplastic elastomer with superior elasticity, styrenic resins compatibility, moldability, adhesive performance, and asphalt blend characteristics. It is supplied in pellet form.

Applications:

Styrenic resins modifier, imparting increased impact strength, for food containers. Also used as adhesives and sealants component, and as asphalt modifier for reduced temperature sensitivity and heightened cohesive and adhesive strength.

General Information			
Features	Block Copolymer		
	Good Adhesion		
	Good Impact Resistance		
	Good Moldability		
	High Elasticity		
Uses	Adhesives		
	Asphalt Modification		
	Food Containers		
	Sealants		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	2.6	g/10 min	
200°C/5.0 kg	13	g/10 min	
Styrene/Butadiene	40/60		Internal Method
Viscosity - @ 25% solution in toluene (23°C)	650	mPa · s	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 23°C, 2.00 mm, Compression Molded)	85		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain, 23°C, 2.00 mm)	2.50	MPa	ISO 37
Tensile Stress (Yield, 23°C, 2.00 mm)	14.0	MPa	ISO 37
Tensile Elongation (Break, 23°C, 2.00 mm)	1100	%	ISO 37

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