

# KRATON® D1102 J

Styrene Butadiene Block Copolymer

Kraton Polymers LLC

## Message:

Kraton D1102 J is a clear, linear block copolymer based on styrene and butadiene with bound styrene of 30% mass. It is supplied from Japan in the physical form(s) outlined in the following grade nomenclature

D1102 JS - supplied as porous pellets dusted with amorphous silica

D1102 JSZ - supplied as porous pellets dusted with amorphous silica

Kraton D1102 J is used as an ingredient in formulating adhesives, sealants, and coatings. It may also find use as a modifier of bitumen and polymers.

General Information			
Features	Block Copolymer		
Uses	Adhesives		
	Asphalt Modification		
	Coating Applications		
	Footwear		
	Plastics Modification		
	Sealants		
Appearance	Clear/Transparent		
Forms	Crumb		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	6.0	g/10 min	ISO 1133
Bound Styrene	30.0	%	
Ash Content	< 1.0	%	ISO 247
Solution Viscosity - 25% toluene solution (25°C)	0.80 to 1.6	Pa · s	Internal Method
Volatile Matter	< 1.0	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 30 sec)	70		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	2.90	MPa	ISO 37
Tensile Stress (Yield)	33.0	MPa	ISO 37
Tensile Elongation (Break)	880	%	ISO 37

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