

# KRATON® D1155 B

Styrene Butadiene Styrene Block Copolymer

Kraton Polymers LLC

## Message:

Kraton D1155 B polymer is a clear linear block copolymer based on styrene and butadiene, with bound styrene of 40% mass. It is supplied from South America as indicated in the grade nomenclature below.

Kraton D1155 BO - supplied as a dusted, porous pellet

Kraton D1155 B is used in the modification of polymers, and in compounds for technical and footwear applications. It is also used in formulating adhesives, sealants and coatings, and as a modifier of bitumen.

General Information			
Additive	Antioxidant		
Features	Block Copolymer		
Uses	Adhesives		
	Coating Applications		
	Footwear		
	Plastics Modification		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm <sup>3</sup>	ISO 2781
Apparent Density	0.40	g/cm <sup>3</sup>	ASTM D1895B
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.8 to 5.0	g/10 min	ISO 1133
Solution Viscosity <sup>1</sup>	700	mPa · s	Internal Method
Bound Styrene	37.0 to 43.0	%	Internal Method
Total Extractables	2.0	%	Internal Method
Volatile Matter	< 0.50	%	Internal Method
Dust	0.1 to 0.2	wt%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness <sup>2</sup> (Shore A, 10 sec, Compression Molded)	70		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>3</sup> (300% Strain)	2.90	MPa	ISO 37
Tensile Stress (Yield)	33.0	MPa	ISO 37
Tensile Elongation (Break)	800	%	ISO 37
NOTE			
1.	Measured on 25% mass solution in toluene at 25°C using a Brookfield viscometer, LTF or LTV model		
2.	Measured on films cast from a solution in toluene.		

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3. Measured on films cast from a solution in toluene

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