

# KRATON® D1116 B

Styrene Butadiene Styrene Block Copolymer

Kraton Polymers LLC

## Message:

Kraton D1116 B is a clear, radial triblock copolymer based on styrene and butadiene, with a polystyrene content of 23%. It is supplied from South America in the physical form identified below.

Kraton D1116 BT - supplied as a porous pellet dusted with talc

Kraton D1116 B is used as a modifier of bitumen or thermoplastics and in compound formulations. It is also suitable as an ingredient in formulating compounds for footwear applications and may be used in formulating adhesives, sealants and coatings.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
Uses	Adhesives		
	Coating Applications		
	Compounding		
	Footwear		
	Plastics Modification		
	Sealants		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Coating		
	Compounding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm <sup>3</sup>	ASTM D4025
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	< 1.0	g/10 min	
Antioxidant Additive <sup>1</sup>	0.15 to 0.40	%	Internal Method
Ash Content - BT, Talc	0.15 to 0.35	%	ISO 247
Polystyrene Content	21 to 24	%	Internal Method
Solution Viscosity - (Toluene) 20%wt (25°C)	2.0 to 3.0	Pa · s	Internal Method
Total Extractables	< 1.0	%	Internal Method
Volatile Matter	< 0.70	%	Internal Method
Diblock Content	16.0		
Styrene/Rubber ratio	23/77		
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec, Compression Molded)	63		ASTM D2240

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>2</sup> (300% Strain)	2.40	MPa	ISO 37
Tensile Strength <sup>3</sup> (Yield)	32.0	MPa	ISO 37
Tensile Elongation <sup>4</sup> (Break)	900	%	ASTM D412

#### NOTE

- |    |  |
|----|--|
| 1. | Non-staining phenolic antioxidant                                |
| 2. | Typical properties determined on film cast from toluene solution |
| 3. | Typical properties determined on film cast from toluene solution |
| 4. | Typical properties determined on film cast from toluene solution |

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