

KRATON® D1170 B

Styrene Isoprene Styrene Block Copolymer

Kraton Polymers LLC

Message:

Kraton D1170 B is a clear, linear triblock copolymer based on styrene, butadiene and isoprene with a polystyrene content of 19%. It is supplied from South America as outlined in the physical form identified below.

Kraton D1170 BT - supplied as a porous pellet dusted with talc

Kraton D1170 B 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			
Additive	Antioxidant		
Features	Block Copolymer		
Uses	Adhesives		
	Asphalt Modification		
	Plastics Modification		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ISO 2781
Apparent Density	0.40	g/cm ³	ASTM D1895B
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	13	g/10 min	ISO 1133
Solution Viscosity ¹	1100	mPa · s	Internal Method
Bound Styrene	17.0 to 21.0	%	Internal Method
Antioxidant Additive ²	0.1 to 0.2	wt%	Internal Method
Ash Content - BT ³	0.40 to 0.80	%	ISO 247
Total Extractables	< 1.0	wt%	Internal Method
Volatile Matter	< 0.30	wt%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 10 sec)	46		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	1.40	MPa	ISO 37
Tensile Stress (Yield)	11.0	MPa	ISO 37
Tensile Elongation (Break)	1200	%	ISO 37
NOTE			
1.	25%w toluene solution at 25°C		
2.	Primary antioxidant is a non-staining, phenolic antioxidant.		
3.	Talc		

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