

KRATON® D1118 B

Styrene Butadiene Block Copolymer

Kraton Polymers LLC

Message:

Kraton D1118 B is a clear, linear triblock copolymer based on styrene and butadiene with a polystyrene content of 33%. It is supplied from South America in the physical form(s) identified below.

Kraton D1118 BT - supplied as a porous pellet dusted with talc

Kraton D1118 B is used as a modifier of bitumen or thermoplastics and in compound formulations. It may also find use as an ingredient in formulating adhesives, sealants and coatings.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Block Copolymer		
Uses	Adhesives		
	Asphalt Modification		
	Coating Applications		
	Footwear		
	Plastics Modification		
	Sealants		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.938	g/cm ³	ISO 2781
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	10	g/10 min	ISO 1133
Antioxidant Additive	0.15 to 0.40	%	Internal Method
Ash Content - Product form "BT"	0.50 to 0.75	%	
Extractables	< 1.0	%	Internal Method
Polystyrene Content	31 to 35	%	Internal Method
Solution Viscosity	470 to 790	mPa · s	Internal Method
Diblock Content	78.0		
Volatiles	< 1.0	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 10 sec)	74		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (300% Strain)	1.20	MPa	ISO 37
Tensile Stress ² (Yield)	1.70	MPa	ISO 37
Tensile Elongation ³ (Break)	600	%	ASTM D412
NOTE			

1.	measured on films cast from a solution in toluene
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