

KRATON® D1101 B

Styrene Butadiene Styrene Block Copolymer

Kraton Polymers LLC

Message:

Kraton D1101 B is a clear, linear triblock copolymer based on styrene and butadiene with a polystyrene content of 31%. It is supplied from South America in the physical form(s) identified below.

Kraton D1101 BT - supplied as a dusted porous pellet

Kraton D1101 BTM - supplied as a dusted powder

Kraton D1101 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		
	Copolymer		
Uses	Adhesives		
	Coating Applications		
	Pipe Coatings		
	Plastics Modification		
	Sealants		
Appearance	Clear/Transparent		
Forms	Pellets		
	Powder		
Processing Method	Coating		
	Compounding		
Physical	Nominal Value	Unit	Test Method
Density	0.938	g/cm ³	ISO 2781
Apparent Density	0.40	g/cm ³	ASTM D1895B
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	< 1.0	g/10 min	ISO 1133
Bound Styrene	30.0 to 32.0	%	Internal Method
Antioxidant Additive	> 0.10	%	Internal Method
Ash Content			ISO 247
BT	0.3 to 0.6	wt%	
BTM	< 5.0	wt%	
Total Extractables	< 1.0	%	Internal Method
Viscosity (25°C) ¹	3.00 to 5.00	Pa · s	Internal Method
Volatile Matter	< 0.30	%	Internal Method
Hardness	Nominal Value	Unit	Test Method

Shore Hardness (Shore A, 10 sec, Compression Molded)	70		ISO 868
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
NOTE			

1.

Measured on 25% mass solution in
toluene at 25°C using a Brookfield
viscometer, LTF or LTV model

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