

# KRATON® D1160 B

Styrene Isoprene Styrene Block Copolymer

Kraton Polymers LLC

## Message:

Kraton D1160 B is a clear linear triblock copolymer based on styrene and isoprene with bound styrene of 18.5% mass. It is supplied from South America in the physical form identified below:

Kraton D1160 BT - supplied as a porous pellet dusted with talc

Kraton D1160 BT is used in formulating adhesives, in particular hot melt pressure sensitive adhesives.

General Information			
Additive	Antioxidant (800 ppm)		
Features	Antioxidant		
	Block Copolymer		
Uses	Adhesives		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm <sup>3</sup>	ISO 2781
Apparent Density <sup>1</sup>	0.35	g/cm <sup>3</sup>	ASTM D1895
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.0 to 13	g/10 min	ISO 1133
Solution Viscosity <sup>2</sup>	700 to 1100	mPa · s	Internal Method
Antioxidant Additive	> 0.080	%	Internal Method
Ash Content - Product Form "BT"	< 0.50	%	ISO 247-B
Extractables	< 1.0	%	Internal Method
Molecular Weight	168000 to 188000	g/mol	Internal Method
Polystyrene Content	17 to 21	%	Internal Method
Volatile Matter	< 0.30	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 30 sec, Compression Molded)	48		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>3</sup> (300% Strain)	1.90	MPa	ISO 37
Tensile Stress <sup>4</sup> (Yield)	32.0	MPa	ISO 37
Tensile Elongation <sup>5</sup> (Break)	1300	%	ISO 37
NOTE			
1.	Method B		
2.	Measured on 25% mass solution in toluene at 25°C using a Brookfield viscometer, LTF or LTV model		
3.	Measured on films cast from a solution in toluene		

4.	Measured on films cast from a solution in toluene
5.	Measured on films cast from a solution in toluene

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