



K0432  
South America

**KRATON™ D1161 B Polymer**

**Data Document**

Identifier : K432DDd17LA

**Description**

Kraton D1161 B is a clear, linear block copolymer based on styrene and isoprene with a polystyrene content of 15%. It is supplied from South America in the physical form identified below.

- Kraton D1161 BT - supplied as a porous pellet dusted with talc
- Kraton D1161 BSM - supplied as a powder dusted with silica

Kraton D1161 B is used as an ingredient in formulating adhesives, sealants and coatings. It may also find use as a modifier of bitumen and polymers.

**Sales Specifications**

Property	Test Method	Units	Sales Specification Range	Notes
Polystyrene Content	KM 03	%m	13.5 TO 16.5	
Molecular Weight	KM 01	kg/mol	207 TO 237	
Coupling Efficiency	KM 01	%	78 TO 84	
Melt Flow, 200C/5000g	ISO 1133	g/10 min	8.5 TO 19.0	
Total Extractables	KM 05	%m	≤ 1.0	
Antioxidant Content	KM 08	%m	0.08 TO 0.21	a
Volatile Matter	KM 04	%m	≤ 0.3	
Ash (BT)	ISO 247	%m	≤ 0.5	
Ash (BSM)	ISO 247	%m	3.0 TO 5.0	b

**a** Primary antioxidant is a non-staining, phenolic antioxidant.

**b** The final ash content for the BSM version is a combination of the talc from the base product D1161 BT plus silica added during the milling process

**Typical Properties** (These are typical values and may not routinely be measured on finished product)

Property	Test Method	Units	Typical Value	Notes
Hardness, Shore A (30 sec)	ISO 868	Hardness, Shore A (30 sec)	30	c
Bulk Density	ASTM D 1895 method B	kg/m <sup>3</sup>	0.35	
Tensile Strength	ISO 37	Mpa	28	d
300% Modulus	ISO 37	MPa	0.9	d
Solution Viscosity	KM06	Pa.s	1.1	b
Specific Gravity	ISO 2781		0.92	
Elongation at Break	ISO 37	%	1300	d

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

**c** Measured on compression molded slabs

**d** Measured on films cast from a solution in toluene

**Packaging**

Kraton Polymers are available in a number of different package types.