



K0191
North America

KRATON™ D1161 K Polymer

Data Document

Identifier : K191DDs21U

Description

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

- Kraton D1161 KU - supplied as undusted porous pellets
- Kraton D1161 KT - supplied as talcum dusted porous pellets
- Kraton D1161 KS - supplied as amorphous silica dusted porous pellets

Kraton D1161 K is used as an ingredient in formulating adhesives, sealants and coatings. It may also find use as a modifier of bitumen or thermoplastics and in compound formulations.

Sales Specifications

<u>Property</u>	<u>Test Method</u>	<u>Units</u>	<u>Sales Specification Range</u>	<u>Notes</u>
Polystyrene Content	KM 03	%m	14.0 TO 17.0	
Antioxidant, primary	KM 08	%m	0.08 TO 0.30	
Ash, S	BAM 908	%w	0.15 TO 0.40	a
Ash, T	BAM 908	%w	0.25 TO 0.45	b
Volatile Matter	KM 04	%m	≤ 0.7	
Total Extractables	KM 05	%m	≤ 1.0	

- a** Silica dust specification is only applicable to the dusted version which is D1161 KS
b Talc dust specification is only applicable to the dusted version which is D1161 KT and D1161 KT Next Gen.

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

<u>Property</u>	<u>Test Method</u>	<u>Units</u>	<u>Typical Value</u>	<u>Notes</u>
Styrene / Rubber ratio	n/a		15/85	
Diblock content	n/a		19	
Elongation at break	ASTM D-412	%	1300	b
300% Modulus	ASTM D-412	psi	100	b
Tensile strength	ASTM D-412	psi	3100	b
Solution Viscosity	BAM 922	cps	1200	d
Melt Index 200C, 5 kg	ASTM D 1238	gms/10 min.	12	
Hardness	ASTM 2240	Shore A (10s)	32	c
Specific Gravity	ASTM D 792		0.92	

- b** Typical properties determined on film cast from toluene solution.
c Typical values on polymer compression molded at 300F.
d 25%w in toluene solution at 25C.

Packaging

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