



K0191  
North America  
6/3/2021

## 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

Property	Test Method	Units	Sales Specification Range	Notes
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)

Property	Test Method	Units	Typical Value	Notes
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. For information specific to this grade, please contact your local Kraton Polymers representative.

KRATON and the Kraton logo are either trademarks or registered trademarks of Kraton Corporation, or its subsidiaries or affiliates, in one or more, but not all countries.

©2021 Kraton Corporation



#### End Use Requirements

If the finished article is intended for use in food contact and packaging applications, toys, or human contact areas, manufacturers of the final product should observe all relevant regulations. Some of these regulations require tests to be carried out on the final product, e.g. migration. These are the responsibility of the final product manufacturer. Information on the food packaging clearances of individual products is available from Kraton Polymers.

#### Safety and Handling Precautions

Read the GHS Data Sheet carefully and thoroughly before beginning any work.

#### Legal Disclaimer

We cannot anticipate all circumstances, conditions or applications in which this information, our products, or the products of other suppliers in combination with our products may be used. We accept no responsibility for results obtained by the application of this information or for the safety or suitability of our products, either alone or in combination with other products. The user of our products bears the responsibility of determining their suitability for a particular application or formulation, or determining that the products or their use do not infringe any intellectual property. Unless otherwise stated in writing, WE MAKE NO WARRANTY REGARDING THE INFORMATION PROVIDED HEREIN OR OUR PRODUCT, EITHER EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT OF ANY INTELLECTUAL PROPERTY. The buyer assumes all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.

#### For Further Information

<b>U.S.A Headquarters</b> Kraton Polymers U.S. LLC 15710 John F. Kennedy Blvd. Suite 300 Houston, Texas 77032 +1-800-4-KRATON (800-457-2866) info@kraton.com	<b>Asia Pacific</b> Regional Headquarter/ Innovation Center Rm 2201, No.688, West Nan Jing Road 100 Century Avenue Shanghai, 200041, PR China +86 21 2082 3888 info.cn@kraton.com	<b>Europe, Middle East, Africa</b> Kraton Polymers Nederland B.V. Transistorstraat 16 NL - 1322 CE Almere The Netherlands +31 36 546 2846 info@kraton.com
--	--	---