



K0233  
North America  
3/1/2023

## KRATON™ D1111 K Polymer

Data Document

Identifier : K233DDt23U

### Description

Kraton D1111 K is a clear, linear triblock copolymer based on styrene and isoprene with a polystyrene content of 22%. It is supplied from North America in the physical form identified below.

- Kraton D1111 KT - supplied as a dusted porous pellet
- Kraton D1111 KU - supplied as an undusted porous pellet
- Kraton D1111 KSM - supplied as a dusted powder

Kraton D1111 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
Antioxidant	KM 08	%m	0.15 TO 0.30	
Ash (KSM)	ISO 247	%m	3.0 TO 5.0	b
Ash, T	BAM 908	%w	0.25 TO 0.45	a
Polystyrene Content	KM 03	%m	20.0 TO 24.0	
Total Extractables	KM 05	%m	≤ 1.0	
Vis, Sol (Toluene) 25.0%w @25C	BAM 922	cP	750 TO 1,250	
Volatile Matter	KM 04	%m	≤ 0.7	

**a** Talc, for dusted product only.

**b** D1111 KSM is milled in Europe. The final dusting level is a combination of the talc from the original D1111 KT 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
Diblock content	n/a		18	
300% Modulus	ASTM D-412	psi	200	c
Hardness	ASTM 2240	Shore A (10s)	45	b
Specific gravity	ASTM D4025	gm/cc	0.93	
Elongation at break	ASTM D-412	%	1200	c
Solution Viscosity	BAM 922	cps	1000	d
Tensile strength	ASTM D-412	psi	2900	c
Styrene / Rubber ratio	n/a		22/78	
Melt Index 200C, 5 kg	ASTM D 1238	gms/10 min.	2	

**b** Typical values on polymer compression molded at 300F.

**c** Measured on films cast from a solution in toluene.

**d** 25%w toluene solution at 25C

### Packaging

Kraton's products are available in a number of different package types. For information specific to this grade, please contact your local Kraton representative.

### End Use Requirements

The end user of the product is solely responsible to comply with all regulatory and testing requirements applicable to the end use of the finished article incorporating the product.  
Information regarding the regulatory status of the product is available from Kraton on request.

### Safety and Handling Precautions

Read the GHS Data Sheet carefully and thoroughly before handling and using the product. If you are unable to locate the GHS Safety Data Sheet from [www.kraton.com](http://www.kraton.com), please contact the Product Safety support team at [product.safety@kraton.com](mailto:product.safety@kraton.com).

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### For Further Information

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