



K0546  
North America  
9/19/2023

## KRATON™ D0243 K Polymer

Data Document

Identifier : K546DDi23U

### Description

Kraton D0243 K is a clear, diblock copolymer based on styrene and butadiene with a polystyrene content of 32%. It is supplied from North America in the physical form identified below.

- Kraton D0243 KT - supplied as a porous pellet dusted with talc

Kraton D0243 K is used as a modifier of bitumen or thermoplastics and in compound formulations. It may also find use as an ingredient in formulating adhesives, sealants and coatings.

### Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Polystyrene Content	KM 03	%m	30.0 TO 34.0	
Total Extractables	KM 05	%m	≤ 1.0	
Volatile Matter	KM 04	%m	≤ 1.0	
Solution Viscosity	BAM 922	cP	240 TO 390	a
Ash, T	BAM 908	%w	0.35 TO 0.75	b
Antioxidant	KM 08	%	0.35 TO 0.48	c

**a** 25%w toluene solution at 25 degrees C  
**b** Talc  
**c** Non-staining phenolic antioxidant

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

Property	Test Method	Units	Typical Value	Notes
Melt Index 200°C, 5 kg	ASTM D 1238	gms/10 min.	20	
Hardness, Shore A	ASTM D 2240	Shore A (10 sec)	70	f d
Tensile Strength	ASTM D 412	psi	250	e f
Vinyl Polybutadiene Content	BAM 919	%w	35 NULL	
300% Modulus	ASTM D 412	psi	150	e f
Styrene / Rubber ratio	n/a		32/68	
Diblock content	n/a		75	
Specific Gravity	ASTM D 792		0.94	

**d** Typical values on polymer compression molded at 300 Å°F  
**e** Measured on films cast from a solution in toluene  
**f** Estimated value

### 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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