

North America
K0546

KRATON® D0243 K Polymer

Data Document

Identifier : K546DDe12U

Description

Kraton D0243 K is a clear, diblock copolymer based on styrene and butadiene with a polystyrene content of 33%. 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	31.0 TO 36.0	
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
Vinyl Polybutadiene Content	BAM 919	%w	35 NULL	
Melt Index 200°C, 5 kg	ASTM D 1238	gms/10 min.	20	
300% Modulus	ASTM D 412	psi	150	e f
Hardness, Shore A	ASTM D 2240	Shore A (10 sec)	70	d f
Styrene / Rubber ratio	n/a		33/67	
Tensile Strength	ASTM D 412	psi	250	e f
Diblock content	n/a		75	
Specific gravity	ASTM D4025	gm/cc	0.94	

d Typical values on polymer compression molded at 300 °F

e Measured on films cast from a solution in toluene

f Estimated value

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.

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