KRATON

K0249
North America

KRATON™ D4150 K Polymer

Data Document

Identifier : K249DDm22U

Description

Kraton D4150 K is a linear triblock copolymer based on styrene and butadiene with a polystyrene content of 31%. It is supplied from North America in the physical form identified below.

- Kraton D4150 KT - supplied as a dusted porous pellet
- Kraton D4150 KU - supplied as an undusted porous pellet

Kraton D4150 K is used as a modifier of bitumen and polymers. It is also suitable as an ingredient in formulating compounds for footwear applications, molded and extruded goods applications and may be used in formulating adhesives, sealants, and coatings.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Polystyrene Content	KM 03	%m	29.0 TO 33.0	
Oil	KM 05	%m	32.3 TO 34.3	
Antioxidant	KM 08	%m	0.13 TO 0.35	
Volatile Matter	KM 04	%m	<= 0.7	
Ash, T	BAM 908	%w	0.25 TO 0.45	a

a Talc specification for D4150 KT

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

Property	Test Method	Units	Typical Value	Notes
300% Modulus	ASTM D-412	psi	160	c
Hardness	ASTM 2240	Shore A (10s)	45	b
Diblock content	n/a		17	
Melt Index 200°C, 5kg	n/a	gms/10 Min.	9.5	
Styrene / Rubber ratio	n/a		31/69	
Elongation at break	ASTM D-412	%	1400	c
Tensile strength	ASTM D-412	psi	2800	c
Solution Viscosity	BAM 922	cps	850	a
Specific Gravity	ASTM D 792		0.92	

a 25%w toluene solution at 25C
b Typical values on polymer compression molded at 300F.
c Measured on films cast from a solution in toluene.

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.