KRATON

K0245
North America

KRATON™ D1118 K Polymer

Data Document

Identifier : K245DDs23U

Description

Kraton D1118 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 D1118 KT - supplied as a dusted porous pellet
- Kraton D1118 KTM - supplied as a dusted powder

Kraton D1118 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 35.0	
Volatile Matter	KM 04	%m	≤ 1.0	
Total Extractables	KM 05	%m	≤ 1.0	
Solution Viscosity	BAM 922	cP	470 TO 790	a
Ash, KT	BAM 908	%w	0.40 TO 0.65	b
Antioxidant	KM 08	%m	0.15 TO 0.40	c
Ash, KTM	BAM 908	%w	4.0 TO 6.0	d

a 25%w toluene solution at 25ÂºC
b Talc
c Non-staining phenolic antioxidant
d The final dusting level is a combination of the talc from the original D1118 KT plus talc 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
Tensile strength	ASTM D-412	psi	250	d
Diblock content	n/a		78	
Hardness	ASTM 2240	Shore A (10s)	74	e
Melt Index 200°C, 5kg	n/a	gms/10 Min.	10	
Styrene / Rubber ratio	n/a		33/67	
Specific gravity	ASTM D4025	gm/cc	0.94	
Elongation at break	ASTM D-412	%	600	d
300% Modulus	ASTM D-412	psi	175	d

d Measured on films cast from a solution in toluene
e Typical values on polymer compression molded at 350ÂºF

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.