



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
<b>a</b>	25%w toluene solution at 25Å°C			
<b>b</b>	Talc			
<b>c</b>	Non-staining phenolic antioxidant			
<b>d</b>	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
<b>d</b>	Measured on films cast from a solution in toluene			
<b>e</b>	Typical values on polymer compression molded at 350Å°F			

**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.