



K0160  
North America

KRATON™ D1184 K Polymer

Data Document

Identifier : K160DDm24U

**Description**

Kraton D1184 K is a clear, branched 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 D1184 KT - supplied as a dusted dense pellet
- Kraton D1184 KU - supplied as an undusted dense pellet
- Kraton D1184 KIM - supplied as powder dusted with calcium carbonate for supply to the North American market

Kraton D1184 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	29.0 TO 33.0	
Total Extractables	KM 05	%m	<= 1.6	
Volatile Matter	KM 04	%m	<= 1.0	
Solution Viscosity	BAM 922	cP	900 TO 1,300	a
Ash, KT	BAM 908	%w	0.10 TO 0.30	b
Antioxidant	KM 08	%	0.15 TO 0.40	c
Ash, M Milled	BAM 908	%w	4.0 TO 5.0	d
<b>a</b>	15%w toluene solution at 25 °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 D1184 KT plus calcium carbonate 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
Specific Gravity	ASTM D 792		0.94	
Diblock content	n/a		16	
Elongation at break	ASTM D-412	%	820	e
300% Modulus	ASTM D-412	psi	800	e
Tensile strength	ASTM D-412	psi	4000	e
Styrene / Rubber ratio	n/a		31/69	
Hardness	ASTM 2240	Shore A (10s)	68	d
Melt Index 200C, 5 kg	ASTM D 1238	gms/10 min.	<1	
<b>d</b>	Typical values on polymer compression molded at 350 °F			
<b>e</b>	Measured on films cast from a solution in toluene			