



K757  
North America

KRATON™ D1194 K

Data Document

Identifier : K757DDb24U

**Description**

Kraton D1194 K is a clear, branched block copolymer based on styrene and butadiene with bound styrene of 30% mass. It is supplied from North America in the physical forms identified as follows in the grade nomenclature:

- Kraton D1194 KT - supplied as a porous pellet dusted with talc

Kraton D1194 K polymer is used as a modifier of bitumen in roofing felt compounds, roads and pipe coating. It may also be suitable for use in formulating adhesives, sealants and coatings and in the modification of polymers.

**Sales Specifications**

Property	Test Method	Units	Sales Specification Range	Notes
Polystyrene Content	KM 03	%m	29.0 TO 31.0	
Total Extractables	KM 05	%m	<= 1.6	
Volatile Matter	KM 04	%m	<= 1.0	
Ash, KIM	BAM 908	%w	4.0 TO 6.0	a
Ash, KT	BAM 908	%w	0.10 TO 0.30	b
Antioxidant	KM 08	%	0.15 TO 0.40	c
<b>a</b>	The final dusting level is a combination of the talc from the original D1101 KT plus calcium carbonate added during the milling process.			
<b>b</b>	Talc			
<b>c</b>	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
Specific Gravity	ASTM D 792		0.94	
Diblock content	n/a		16	
Elongation at break	ASTM D-412	%	820	b
300% Modulus	ASTM D-412	psi	800	b
Tensile strength	ASTM D-412	psi	4000	b
Styrene / Rubber ratio	n/a		31/69	
Hardness	ASTM 2240	Shore A (10s)	68	a
Melt Index 200C, 5 kg	ASTM D 1238	gms/10 min.	<1	
<b>a</b>	Typical values on polymer compression molded at 350 °F			
<b>b</b>	Measured on films cast from a solution in toluene			

**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.