



K0244  
North America

KRATON™ D1101 K Polymer

Data Document

Identifier : K244DDt23U

**Description**

Kraton D1101 K is a clear, 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 D1101 KT - supplied as a dusted porous pellet
- Kraton D1101 KU - supplied as an undusted porous pellet
- Kraton D1101 KIM - supplied as a dusted powder

Kraton D1101 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	
Antioxidant	KM 08	%m	0.15 TO 0.40	b
Total Extractables	KM 05	%m	≤ 1.0	
Volatile Matter	KM 04	%m	≤ 0.7	
Ash, KT	BAM 908	%w	0.15 TO 0.35	a
Ash, KIM	BAM 908	%w	4.0 TO 6.0	c
<b>a</b>	Talc			
<b>b</b>	Non-staining phenolic antioxidant			
<b>c</b>	The final dusting level is a combination of the talc from the original D1101 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
Tensile strength	ASTM D-412	psi	4600	e
300% Modulus	ASTM D-412	psi	400	e
Hardness	ASTM 2240	Shore A (10s)	69	d
Melt Index 200°C, 5kg	n/a	gms/10 Min.	≤ 1	
Diblock content	n/a		16	
Elongation at break	ASTM D-412	%	880	e
Specific gravity	ASTM D4025	gm/cc	0.94	
Styrene / Rubber ratio	n/a		31/69	
Solution Viscosity	BAM 922	cps	3900	c
<b>c</b>	25%w toluene solution at 25 °C			
<b>d</b>	Typical values on polymer compression molded at 350 °F			
<b>e</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.