



K0246  
North America

**KRATON™ D1102 K Polymer**

**Data Document**

Identifier : K246DDp18U

**Description**

Kraton D1102 K is a clear, linear triblock copolymer based on styrene and butadiene, with a polystyrene content of 28%. It is supplied from North America in the physical form identified below.

- Kraton D1102 KT - supplied as a dusted porous pellet
- Kraton D1102 KU - supplied as an undusted porous pellet

Kraton D1102 K is used as a modifier of bitumen or thermoplastics and in compound formulations. It is also suitable as an ingredient in formulating compounds for footwear applications and may be used in formulating adhesives, sealants and coatings.

**Sales Specifications**

Property	Test Method	Units	Sales Specification Range	Notes
Polystyrene Content	KM 03	%m	26.8 TO 30.0	
Volatile Matter	KM 04	%m	≤ 0.7	
Total Extractables	KM 05	%m	≤ 1.0	
Antioxidant	KM 08	%m	0.15 TO 0.25	a
Ash, T	BAM 908	%w	0.20 TO 0.40	b
<b>a</b>	Non-staining phenolic antioxidant			
<b>b</b>	Talc			

**Typical Properties** (These are typical values and may not routinely be measured on finished product)

Property	Test Method	Units	Typical Value	Notes
300% Modulus	ASTM D-412	psi	400	d
Styrene / Rubber ratio	n/a		28/72	
Tensile strength	ASTM D-412	psi	4600	d
Solution Viscosity	BAM 922	cps	1100	b
Hardness	ASTM 2240	Shore A (10s)	66	c
Bulk Density	n/a	lbs/ft <sup>3</sup>	28	
Diblock content	n/a		17	
Elongation at break	ASTM D-412	%	880	d
Specific Gravity	ASTM D 792		0.94	
Melt Index 200C, 5 kg	ASTM D 1238	gms/10 min.	14	
<b>b</b>	25%w toluene solution at 25C			
<b>c</b>	Typical values on polymer compression molded at 300F.			
<b>d</b>	Measured on films cast from a solution in toluene.			

**Packaging**

Kraton Polymers are available in a number of different package types. For information specific to this grade, please contact your local Kraton Polymers representative.

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