



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
a	Talc			
b	Non-staining phenolic antioxidant			
c	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
c	25%w toluene solution at 25 °C			
d	Typical values on polymer compression molded at 350 °F			
e	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.