



K0233
North America

KRATON™ D1111 K Polymer

Data Document

Identifier : K233DDt23U

Description

Kraton D1111 K is a clear, linear triblock copolymer based on styrene and isoprene with a polystyrene content of 22%. It is supplied from North America in the physical form identified below.

- Kraton D1111 KT - supplied as a dusted porous pellet
- Kraton D1111 KU - supplied as an undusted porous pellet
- Kraton D1111 KSM - supplied as a dusted powder

Kraton D1111 K is used as an ingredient in formulating adhesives, sealants and coatings. It may also find use as a modifier of bitumen or thermoplastics and in compound formulations.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Antioxidant	KM 08	%m	0.15 TO 0.30	
Ash (KSM)	ISO 247	%m	3.0 TO 5.0	b
Ash, T	BAM 908	%w	0.25 TO 0.45	a
Polystyrene Content	KM 03	%m	20.0 TO 24.0	
Total Extractables	KM 05	%m	≤ 1.0	
Vis, Sol (Toluene) 25.0%w @25C	BAM 922	cP	750 TO 1,250	
Volatile Matter	KM 04	%m	≤ 0.7	

a Talc, for dusted product only.

b D1111 KSM is milled in Europe. The final dusting level is a combination of the talc from the original D1111 KT plus silica 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
Diblock content	n/a		18	
300% Modulus	ASTM D-412	psi	200	c
Hardness	ASTM 2240	Shore A (10s)	45	b
Specific gravity	ASTM D4025	gm/cc	0.93	
Elongation at break	ASTM D-412	%	1200	c
Solution Viscosity	BAM 922	cps	1000	d
Tensile strength	ASTM D-412	psi	2900	c
Styrene / Rubber ratio	n/a		22/78	
Melt Index 200C, 5 kg	ASTM D 1238	gms/10 min.	2	

b Typical values on polymer compression molded at 300F.

c Measured on films cast from a solution in toluene.

d 25%w toluene solution at 25C

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.