



K0300
North America

KRATON™ D1163 P Polymer

Data Document

Identifier : K300DDn24U

Description

Kraton D1163 P is a clear, linear triblock copolymer based on styrene and isoprene, with a polystyrene content of 15%. It is supplied from North America in the physical form identified below.

- Kraton D1163 PT - supplied as a dusted dense pellet with talc
- Kraton D1163 PK - supplied as a dusted dense pellet with kaolin

Kraton D1163 P is used as an ingredient in formulating adhesives, sealants and coatings. It may also find use as a modifier of bitumen and polymers.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Antioxidant	KM 08	%m	0.08 TO 0.30	
Dust, Kaolin	BAM 908	%w	0.10 TO 0.50	
Dust, Fine Talc	BAM 908	%w	0.25 TO 0.45	
Polystyrene Content	BAM 919	%w	13.3 TO 16.3	
Total Extractables	BAM 905	%w	<= 1.0	
Volatile Matter	KM 04	%m	<= 0.5	
Ash (PTM)	ISO 247	%m	2.5 TO 5.0	a
Ash, (PKM)	ISO 247	%m	2.5 TO 5.0	b

a The final dusting level is a combination of the talc from the original D1163 PT plus silica added during the milling process.

b The final dusting level is a combination of the kaolin from the original D1163 PK 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
Specific Gravity	ASTM D 792		0.92	
Solution Viscosity	BAM 922	cps	900	d
300% Modulus	ASTM D-412	psi	70	b
Diblock content	n/a		38	
Tensile strength	ASTM D-412	psi	1500	b
Hardness	ASTM 2240	Shore A (10s)	25	c
Elongation at break	ASTM D-412	%	1400	b
Styrene / Rubber ratio	n/a		15/85	
Melt Index 200C, 5 kg	ASTM D 1238	gms/10 min.	23	

b Typical properties determined on film cast from toluene solution.

c Typical values on polymer compression molded at 300F.

d 25%w toluene solution at 25C

Packaging

Kraton's products are available in a number of different package types.