



K0481
North America

KRATON™ D1171 P Polymer

Data Document

Identifier : K481DDm24U

Description

Kraton D1171 P is a clear, linear triblock copolymer based on styrene, butadiene and isoprene with a polystyrene content of 19%. It is supplied from North America in the form below.

- Kraton D1171 PT - supplied as a dusted dense pellet with talc
- Kraton D1171 PK - supplied as a dusted dense pellet with kaolin

Kraton D1171 P can be used as a base material for hot melt adhesives. It may also find use as a base material for compound formulations and as a modifier for bitumen.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Antioxidant	KM 08	%	0.08 TO 0.70	
Dust, Kaolin	BAM 908	%w	0.10 TO 0.50	
Dust, Fine Talc	BAM 908	%w	0.20 TO 0.40	
Polystyrene Content	KM 03	%m	18.1 TO 21.1	
Total Extractables	KM 05	%m	<= 1.0	
Volatile Matter	KM 04	%m	<= 0.5	

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

Property	Test Method	Units	Typical Value	Notes
Elongation at Break	ASTM D 412	%	1250	d
300% Modulus	ASTM D 412	psi	300	d
Specific Gravity	ASTM D 792		0.92	
Hardness, Shore A	ASTM D 2240	Shore A (10 sec)	45	c
Solution Viscosity	KM06	Pa.s	1.0	b
Tensile Strength	ASTM D 412	psi	1000	d
Diblock Content	n/a		26	
Melt Index 200C, 5 kg	ASTM D 1238	gms/10 min.	11	

- b** Measured on 25%w toluene solution at 25C
c Measured on compression molded slabs
d 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.