



K0173
North America

KRATON™ D1193 P Polymer

Data Document

Identifier : K173DDo21U

Description

Kraton D1193 P 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.

- Kraton D1193 PT - supplied as a dusted dense pellet with talc
- Kraton D1193 PK - supplied as a dusted dense pellet with kaolin

Kraton D1193 P is a clear, linear triblock copolymer based on styrene and isoprene, with a polystyrene content of 24%. It is supplied from North America in the physical form identified below.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Antioxidant	KM 08	%m	0.08 TO 0.30	
Dust, Fine Talc	BAM 908	%w	0.15 TO 0.35	a
Dust, Kaolin	BAM 908	%w	0.10 TO 0.50	b
Polystyrene Content	KM 03	%m	22.7 TO 25.7	
Total Extractables	KM 05	%m	≤ 1.2	
Volatile Matter	KM 04	%m	≤ 0.3	

a Talc

b Kaolin

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

Property	Test Method	Units	Typical Value	Notes
Styrene / Rubber ratio	n/a		24/76	
Hardness	ASTM 2240	Shore A (10s)	53	c
Diblock content	n/a		20	
Elongation at break	ASTM D-412	%	1200	d
Tensile strength	ASTM D-412	psi	2600	d
300% Modulus	ASTM D-412	psi	370	d
Solution Viscosity	BAM 922	cps	400	b
Specific Gravity	ASTM D 792		0.93	
Melt Index 200C, 5 kg	ASTM D 1238	gms/10 min.	14	

b 25%w toluene solution at 25C.

c Typical values on polymer compression molded at 300F.

d Typical properties determined on film cast from toluene solution.

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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