



K0173
North America
12/21/2021

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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End Use Requirements

If the finished article is intended for use in food contact and packaging applications, toys, or human contact areas, manufacturers of the final product should observe all relevant regulations. Some of these regulations require tests to be carried out on the final product, e.g. migration. These are the responsibility of the final product manufacturer. Information on the food packaging clearances of individual products is available from Kraton Polymers.

Safety and Handling Precautions

Read the GHS Data Sheet carefully and thoroughly before beginning any work.

Legal Disclaimer

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For Further Information

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