



K0160
North America
9/21/2021

KRATON™ D1184 K Polymer

Data Document

Identifier : K160DDI21U

Description

Kraton D1184 K is a clear, branched triblock copolymer based on styrene and butadiene, with a polystyrene content of 31%. It is supplied from North America in the physical form identified below.

- Kraton D1184 KT - supplied as a dusted dense pellet
- Kraton D1184 KU - supplied as an undusted dense pellet

Kraton D1184 K is used as a modifier of bitumen or thermoplastics and in compound formulations. It may also find use as an ingredient in formulating adhesives, sealants and coatings.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Polystyrene Content	KM 03	%m	29.0 TO 33.0	
Total Extractables	KM 05	%m	≤ 1.6	
Volatile Matter	KM 04	%m	≤ 1.0	
Solution Viscosity	BAM 922	cP	900 TO 1,300	a
Ash, KT	BAM 908	%w	0.10 TO 0.30	b
Antioxidant	KM 08	%	0.15 TO 0.40	c
a	15%w toluene solution at 25 °C			
b	Talc			
c	Non-staining phenolic antioxidant.			

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		0.94	
Diblock content	n/a		16	
Elongation at break	ASTM D-412	%	820	e
300% Modulus	ASTM D-412	psi	800	e
Tensile strength	ASTM D-412	psi	4000	e
Styrene / Rubber ratio	n/a		31/69	
Hardness	ASTM 2240	Shore A (10s)	68	d
Melt Index 200C, 5 kg	ASTM D 1238	gms/10 min.	≤1	
d	Typical values on polymer compression molded at 350 °F			
e	Measured on films cast from a solution in toluene			

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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