



K0010
Europe
9/21/2021

KRATON™ D1184 A Polymer

Data Document

Identifier : K010DDj21E

Description

Kraton D1184 A is a clear, branched block copolymer based on styrene and butadiene with bound styrene of 30% mass. It is supplied from Europe in the physical forms identified as follows in the grade nomenclature:

- Kraton D1184 AS - supplied as porous pellets dusted with amorphous silica
- Kraton D1184 AT - supplied as porous pellets dusted with talc
- Kraton D1184 ASM - supplied as powder dusted with amorphous silica
- Kraton D1184 AIM - supplied as powder dusted with calcium carbonate for supply to the North American market

Kraton D1184 A polymer is used as a modifier of bitumen in roofing felt compounds, roads and pipe coating. It may also be suitable for use in formulating adhesives, sealants and coatings and in the modification of polymers.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Polystyrene Content	KM 03	%m	29.0 TO 31.0	
Vis, Sol (Toluene) 15.0%w @25C	KM 06	Pa.s	1.00 TO 1.40	
Total Extractables	KM 05	%m	≤ 1.4	
Volatile Matter	KM 04	%m	≤ 0.3	
Antioxidant content	KM 08	%m	≥ 0.14	a
Ash (AS, AT)	ISO 247	%m	≤ 0.4	
Ash (ASM)	ISO 247	%m	2.5 TO 5.0	b
Ash (AIM)	ISO 247	%m	4.0 TO 6.0	c

- a** Only refers to primary antioxidant content
b Milled product with silica dusting agent
c Milled product with calcium carbonate dusting agent

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

Property	Test Method	Units	Typical Value	Notes
Specific Gravity	ISO 2781		0.94	
Bulk Density	ASTM D 1895 method B	kg/dm ³	0.4	
Hardness, Shore A (30 sec)	ISO 868	Hardness, Shore A (30 sec)	75	
Elongation at Break	ISO 37	%	820	
Melt Flow Rate, 200°C/5kg	ISO 1133	g/10min.	≤1	
Tensile Strength	ISO 37	Mpa	27	
300% Modulus	ISO 37	MPa	2.5	

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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