



K0543
Europe
9/22/2021

KRATON™ D1191 E Polymer

Data Document

Identifier : K543DDh21E

Description

Kraton D1191 E is a clear, radial block copolymer based on styrene and butadiene with bound styrene of 33.5% mass. It is supplied from Europe in the physical forms described below.

- Kraton D1191 ES - supplied as porous pellets dusted with amorphous silica
- Kraton D1191 ET - supplied as porous pellets dusted with talc
- Kraton D1191 ESM - supplied as powder dusted with amorphous silica
- Kraton D1191 EIM - supplied as powder dusted with calcium carbonate for supply to the North American market

Kraton D1191 E is used for modification of industrial and paving bitumen. 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	32.5 TO 34.5	
Antioxidant content	KM 08	%m	≥ 0.12	
Total Extractables	KM 05	%m	≤ 1.4	
Volatile Matter	KM 04	%m	≤ 0.3	
Ash (ES, ET)	ISO 247	%m	0.15 TO 0.40	
Ash (ESM)	ISO 247	%m	2.5 TO 5.0	
Ash (EIM)	BAM 908	%w	4.0 TO 6.0	

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	
Solution Viscosity	KM06	Pa.s	0.7	a
300% Modulus	ISO 37	MPa	4.1	
Elongation at Break	ISO 37	%	1100	
Tensile Strength	ISO 37	Mpa	30	

a Measured on 15% mass solution in toluene at 25°C using a Brookfield viscometer, LTF or LTV model

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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