



K0523  
Europe  
9/30/2021

## KRATON™ D1192 E Polymer

Data Document

Identifier : K523DDI21E

### Description

Kraton D1192 E is a clear linear block copolymer based on styrene and butadiene with bound styrene of 30% mass. It is supplied from Europe in the physical forms described below:

- Kraton D1192 ET- supplied as porous pellets dusted with talc
- Kraton D1192 ES - supplied as porous pellets dusted with amorphous silica
- Kraton D1192 ESM - supplied as powder dusted with amorphous silica
- Kraton D1192 ETM - supplied as powder dusted with talc for the North American market
- Kraton D1192 ETF - supplied as fluffy crumbs dusted with talc

Kraton D1192 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
Molecular Weight	KM 01	kg/mol	138 TO 162	
Polystyrene Content	KM 03	%m	28.5 TO 32.5	
Vinyl Content	KM 03	%	≥ 35	
Triblock Content	KM 01	%	≥ 90	
Total Extractables	KM 05	%m	≤ 1.0	
Volatile Matter	KM 04	%m	≤ 0.3	
Antioxidant Content	KM 08	%m	≥ 0.16	a
Ash (ES, ET)	ISO 247	%m	0.1 TO 0.4	
Ash (ETM)	BAM 908	%w	4.0 TO 6.0	
Ash (ESM)	ISO 247	%m	2.5 TO 5.0	
Ash (ETF)	ISO 247	%m	0.3 TO 0.8	

**a** 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	ISO 2781		0.94	
Bulk Density	ASTM D 1895 method B	kg/dm <sup>3</sup>	0.4	
Hardness, Shore A (15 sec)	ASTM D 2240	Hardness, Shore A (15 sec)	70	a
Melt Flow Rate, 200C/5kg	ISO 1133	g/10min.	< 1	
300% Modulus	ISO 37	MPa	4.8	
Elongation at Break	ISO 37	%	1000	
Tensile Strength	ISO 37	Mpa	33	
Solution Viscosity	KM06	Pa.s	1.8	b

**a** Measured on compression molded slabs  
**b** Measured on 25% mass solution in toluene at 25 C

### 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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