



K0523
Europe

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 ³ | 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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