



0124
Europe

KRATON™ D1102 E Polymer

Data Document

Identifier : K124DDh23E

Description

Kraton D1102 E is a clear, linear block copolymer based on styrene and butadiene with bound styrene of 28.5% mass. It is supplied from Europe in the physical form(s) identified below in the grade nomenclature:

- Kraton D1102 ET - supplied as a dusted porous pellet
- Kraton D1102 EU - supplied as an undusted porous pellet

Kraton D1102 E is used as an ingredient in formulating adhesives, sealants and coatings. It may also find use as a modifier of bitumen or thermoplastics and in compound formulations.

Sales Specifications

| Property | Test Method | Units | Sales Specification Range | Notes |
|-----------------------|-------------|----------|---------------------------|-------|
| Polystyrene Content | KM 03 | %m | 26.9 TO 29.9 | |
| Melt Flow, 200C/5000g | ISO 1133 | g/10 min | 11 TO 17 | |
| Antioxidant content | KM 08 | %m | ≥ 0.15 | |
| Total Extractables | KM 05 | %m | ≤ 1.0 | |
| Volatile Matter | KM 04 | %m | ≤ 0.3 | |
| Ash, Undusted Product | ISO 247 | %m | ≤ 0.05 | |
| Ash (ET) | ISO 247 | %m | 0.15 TO 0.40 | |

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

| Property | Test Method | Units | Typical Value | Notes |
|----------------------------|----------------------|----------------------------|---------------|-------|
| Tensile Strength | ISO 37 | MPa | 24 | b |
| Elongation at Break | ISO 37 | % | 1150 | b |
| Hardness, Shore A (30 sec) | ISO 868 | Hardness, Shore A (30 sec) | 63 | a |
| Specific Gravity | ISO 2781 | | 0.94 | |
| Bulk Density | ASTM D 1895 method B | kg/dm3 | 0.4 | |
| 300% Modulus | ISO 37 | MPa | 3.9 | b |
| Diblock Content | n/a | % | 15 | |
| Solution Viscosity | KM06 | Pa.s | 1.0 | |

- a** Measured on compression moulded slabs
- b** Measured on films cast from a solution in toluene

Packaging

Kraton's products are available in a number of different package types. For information specific to this grade, please contact your local Kraton representative.