



K768
North America

KRATON™ D1101 M Polymer

Data Document

Identifier : K768DDa25U

Description

Kraton D1101 M is a clear, linear triblock copolymer based on styrene and butadiene with a polystyrene content of 31%. It is supplied from North America in the physical form identified below.

- Kraton D1101 MU - supplied as an undusted powder
- Kraton D1101 MF - supplied as a dusted powder

Kraton D1101 M is used as a modifier of bitumen or thermoplastics and in compound formulations. It may also find use as an ingredient in formulating adhesives, sealants and coatings.

Sales Specifications

| <u>Property</u> | <u>Test Method</u> | <u>Units</u> | <u>Sales Specification Range</u> | <u>Notes</u> |
|--|--------------------|--------------|----------------------------------|--------------|
| Polystyrene Content | KM 03 | %m | 29.0 TO 33.0 | |
| Antioxidant | KM 08 | %m | 0.15 TO 0.40 | a |
| Total Extractables | KM 05 | %m | <= 1.0 | |
| Volatile Matter | KM 04 | %m | <= 0.7 | |
| a Non-staining phenolic antioxidant | | | | |

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

| <u>Property</u> | <u>Test Method</u> | <u>Units</u> | <u>Typical Value</u> | <u>Notes</u> |
|---|--------------------|---------------|----------------------|--------------|
| Tensile strength | ASTM D-412 | psi | 4600 | e |
| 300% Modulus | ASTM D-412 | psi | 400 | e |
| Hardness | ASTM 2240 | Shore A (10s) | 69 | d |
| Melt Index 200°C, 5kg | n/a | gms/10 Min. | <1 | |
| Diblock content | n/a | | 16 | |
| Elongation at break | ASTM D-412 | % | 880 | e |
| Specific gravity | ASTM D4025 | gm/cc | 0.94 | |
| Styrene / Rubber ratio | n/a | | 31/69 | |
| Solution Viscosity | BAM 922 | cps | 3900 | c |
| c 25%w toluene solution at 25 °C | | | | |
| d Typical values on polymer compression molded at 350 °F | | | | |
| e Measured on films cast from a solution in toluene | | | | |