



K0454
North America

KRATON™ G1641 H Polymer

Data Document

Identifier : K454DDI17U

Description

Kraton G1641 H is a clear, linear triblock copolymer based on styrene and ethylene/butylene with a polystyrene content of 33%. It is supplied from North America in the physical form identified below.

- Kraton G1641 HU - supplied as an undusted powder/fluffy crumb
- Kraton G1641 HS - supplied as a dusted powder/fluffy crumb

Kraton G1641 H is used in compound formulations and as a modifier of thermoplastics. It may also find use in formulating adhesives, sealants, coatings and modified bitumens.

Sales Specifications

| Property | Test Method | Units | Sales Specification Range | Notes |
|--------------------------------|---|-------|---------------------------|-------|
| Polystyrene Content | KM 03 | %m | 32.3 TO 33.7 | b |
| Volatile Matter | KM 04 | %m | ≤ 0.5 | |
| Total Extractables | KM 05 | %m | ≤ 1.6 | |
| Antioxidant | KM 08 | %w | 0.03 TO 0.10 | a |
| Vis, Sol (Toluene) 15.0%w @25C | BAM 922 | cP | 500 TO 850 | |
| a | Non-staining phenolic antioxidant. | | | |
| b | Measured on polymer before hydrogenation. | | | |

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

| Property | Test Method | Units | Typical Value | Notes |
|------------------------|--|------------------|---------------|-------|
| 300% Modulus | BAM 1245 | psi | 630 | c |
| Tensile Strength | BAM 1245 | psi | ≥ 2500 | c |
| Elongation at Break | BAM 1245 | % | ≥ 800 | c |
| Melt Index 230Å°C, 5kg | ASTM D-1238 | gms/10 min | no flow | |
| Hardness, Shore A | ASTM D 2240 | Shore A (10 sec) | 52 | d |
| c | Measured on solution cast film from toluene. | | | |
| d | Measured on compression molded sample at 230Å°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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