



K0767
North America

KRATON™ G1640 H Polymer

Data Document

Identifier : K767DDa24U

Description

Kraton G1640 H is a clear linear triblock copolymer based on styrene and ethylene/butylene (S-E/B-S) with bound styrene of 32.9% mass. It is supplied from North America in the physical form identified below.

- Kraton G1640 HU: supplied as an undusted powder/fluffy crumb
- Kraton G1640 HF: supplied as a dusted powder

Kraton G1640 H is used as a base material for compound formulations and as a modifier of thermoplastics. The inherent stability of the midblock suggests the use of this grade in applications that must withstand weathering and high processing temperatures. In addition, G1640 H offers the advantages of a high molecular weight polymer at lower melt viscosities.

Sales Specifications

| Property | Test Method | Units | Sales Specification Range | Notes |
|--|-------------|-------|---------------------------|-------|
| Vis, Sol (Toluene) 15.0%w @25C | BAM 922 | cP | 1,000 TO 2,000 | |
| Polystyrene Content | KM 03 | %m | 32.0 TO 33.8 | 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 |
| 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 |
|---|-------------|-------|---------------|-------|
| Specific Gravity | ISO 2781 | | 0.91 | |
| Solution Viscosity | KM06 | Pa.s | 1.5 | a |
| a Measured on 15% m/m solution in Toluene at 25C using a Brookfield Viscometer | | | | |