



K0454
North America

KRATON™ G1641 H Polymer

Data Document

Identifier : K454DDn24U

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 HF - supplied as a dusted powder

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 230°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 230°C.