



K0451
North America

KRATON™ G1642 H Polymer

Data Document

Identifier : K451DDo17U

Description

Kraton G1642 H is a clear, linear triblock copolymer based on styrene and ethylene/butylene with a polystyrene content of 20%. It is supplied from North America in the physical form identified below.

- Kraton G1642 HU - supplied as an undusted powder/fluffy crumb
- Kraton G1642 HS - supplied as a dusted powder/fluffy crumb

Kraton G1642 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	18.5 TO 22.5	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) 25.0%w @25C	BAM 922	cP	1,050 TO 1,550	
a	Non-staining phenolic antioxidant.			
b	Measured on the 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
Melt Index 230Å°C, 2.16 kg	ASTM D 1238	gms/10 min.	≤ 1	
Hardness, Shore A	ASTM D 2240	Shore A (10 sec)	48	c
Specific Gravity	ASTM D 792	g/cc	0.90	
Tensile Strength	BAM 1245	psi	≥ 3000	d
Elongation at Break	BAM 1245	%	1200	d
c	Measured on compression molded slabs pressed at 300Å°F.			
d	Measured on solution cast films from toluene.			

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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