



K0656
North America
8/18/2023

KRATON™ G1650 M Polymer

Data Document

Identifier : K656DDc23U

Description

Kraton G1650 M is a clear, linear triblock copolymer based on styrene and ethylene/butylene with a polystyrene content of 30%. It is supplied from North America in the physical form identified below.

- Kraton G1650 MU - supplied as a powder.
- Kraton G1650 MF - supplied as a dusted powder

Kraton G1650 M 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
Volatile Matter	KM 04	%m	≤ 0.5	
Polystyrene Content	KM 03	%m	28.8 TO 31.6	a
Total Extractables	KM 05	%m	≤ 1.0	
Antioxidant	KM 08	%w	0.03 TO 0.10	b
Vis, Sol (Toluene) 20.0%w @25C	BAM 922	cP	1,100 TO 1,900	

a Measured on the polymer before hydrogenation.
b Non-staining phenolic antioxidant

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

Property	Test Method	Units	Typical Value	Notes
Solution Viscosity	BAM 922	cps	8000	a
Tensile strength	ASTM D-412	psi	5000	b
Elongation at break	ASTM D-412	%	500	b
Bulk Density	n/a	lbs/ft ³	14	
300% Modulus	ASTM D-412	psi	800	b
Hardness	ASTM 2240	Shore A (10s)	72	
Specific gravity	ASTM D4025	gm/cc	0.91	
Styrene / Rubber ratio	n/a		30/70	
Melt Index 230C, 5 kg	ASTM D 1238	gms/10 min.	≤1	

a 25%w toluene solution at 25 C
b Determined from solvent-cast film

Packaging

Kraton's products are available in a number of different package types. For information specific to this grade, please contact your local Kraton representative.

End Use Requirements

The end user of the product is solely responsible to comply with all regulatory and testing requirements applicable to the end use of the finished article incorporating the product.
Information regarding the regulatory status of the product is available from Kraton on request.

Safety and Handling Precautions

Read the GHS Data Sheet carefully and thoroughly before handling and using the product. If you are unable to locate the GHS Safety Data Sheet from www.kraton.com, please contact the Product Safety support team at product.safety@kraton.com.

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For Further Information

U.S.A Headquarters Kraton Corporation 15710 John F. Kennedy Blvd. Suite 300 Houston, Texas 77032 +1-800-4-KRATON (800-457-2866) info@kraton.com	Asia Pacific Regional Headquarter/ Innovation Center Rm 2201, No.688, West Nan Jing Road Shanghai, 200041, PR China +86 21 2082 3888 info.cn@kraton.com	Europe, Middle East, Africa Kraton Polymers Nederland B.V. Transistorstraat 16 NL - 1322 CE Almere The Netherlands +31 36 546 2846 info@kraton.com
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