



K0040
Europe
11/11/2019

KRATON™ G1652 E Polymer

Data Document

Identifier : K040DDg19E

Description

Kraton G1652 E is a clear, linear triblock copolymer based on styrene and ethylene/butylene (S-EB-S) with a polystyrene content of 29%. It is supplied from Europe in the physical form identified below.

- Kraton G1652 EU - supplied as an undusted fluffy crumb

Kraton G1652 E is used in compound or adhesive, sealant and coating formulations. It is also suitable as an ingredient in formulating compounds for footwear applications and can be used as modifier of bitumen and thermoplastics.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Polystyrene Content	KM 03	%m	28.2 TO 30.0	a
Vis, Sol (Toluene) 20.0%w @25C	KM 06	Pa.s	0.40 TO 0.53	
Total Extractables	KM 05	%m	≤ 1.0	
Antioxidant Content	KM 08	%m	≥ 0.03	
Volatile Matter	KM 04	%m	≤ 0.6	

a polystyrene content measured on finished product after 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	
Tensile Strength	ISO 37	Mpa	31	
Elongation at Break	ISO 37	%	500	
Hardness, Shore A	ASTM D 2240	Shore A (10 sec)	69	
300% Modulus	ISO 37	MPa	4.8	
Melt Flow Rate, 230Å°C/5kg	ISO 1133	gms/10 min.	6	

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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End Use Requirements

If the finished article is intended for use in food contact and packaging applications, toys, or human contact areas, manufacturers of the final product should observe all relevant regulations. Some of these regulations require tests to be carried out on the final product, e.g. migration. These are the responsibility of the final product manufacturer. Information on the food packaging clearances of individual products is available from Kraton Polymers.

Safety and Handling Precautions

Read the Safety Data Sheet carefully and thoroughly before beginning any work. Additional information relating to the health, safety, storage, handling and processing of Kraton Polymers products can be found in "Health and Safety Aspects of Kraton D and Kraton G Polymers" (Document K0155), available from your local Sales Representative or the company website. Kraton Polymers also recommends that customers or users consult other sources of safety information, for example, the current edition of the "Code of Practice on the Toxicity and Safe Handling of Rubber Chemicals," British Rubber Manufacturers Association Limited. Kraton Polymers products and compounds can accumulate electrostatic charges when rubbed, chafed or abraded. Processing and storage equipment for use with Kraton Polymers products should provide a means of dissipating any charges that may develop.

When processing Kraton Polymers products, maintain a fire watch if the material reaches 225°C (437F) for Kraton IR and Kraton D (polymers and compounds), and 280°C (536F) for Kraton G (polymers and compounds). The temperatures listed above are indicated only for safety reasons (risk of fire and product degradation) and are not necessarily recommended for processing. Degradation of the polymer (polymer breakdown) will start at lower temperatures depending on the specific processing conditions. Therefore, operating below these temperatures does not guarantee the absence of product degradation.

Kraton Polymers products (the neat resin or the base product) are high molecular weight polymers which are non-toxic and biologically inactive.

Legal Disclaimer

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For Further Information

U.S.A Headquarters Kraton Polymers U.S LLC 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 100 Century Avenue Shanghai, 200041, PR China +86 21 2082 3888 info.cn@kraton.com	Europe, Middle East, Africa Transistorstraat 16 NL - 1322 CE Almere The Netherlands +31 36 546 2846
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