



K0380
North America
7/21/2011

KRATON® G2705 GU Compound

Data Document

Identifier : K380DDf11U

Description

Kraton G2705 GU-N is an easy processing material designed for applications where FDA regulations are required. The material exhibits high resilience, low compression set, and good puncture resealing characteristics. It is also steam sterilizable. It is supplied from North America in the physical form identified below.

- G2705 GU-N - supplied as a transparent pellet.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Hardness, Shore A	BAM 1003		52 TO 62	a
Specific Gravity	BAM 1014		0.875 TO 0.905	

a Injection molded plaque at 205C

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

Property	Test Method	Units	Typical Value	Notes
300% Modulus	ASTM D 412	psi	420	b c f
300% Modulus	ASTM D 412	psi	365	c b g
Tensile Strength	ASTM D 412	psi	840	f c b
Tear Strength	ASTM D 624	pli	170	g c b
Compression Set	ASTM D 395B	%	19	d b
Tensile Strength	ASTM D 412	psi	≥ 1650	c g b e
100% Modulus	ASTM D 412	psi	280	c b f
100% Modulus	ASTM D 412	psi	235	g b c
Elongation at Break	ASTM D 412	%	≥ 800	c b e g
Elongation at Break	ASTM D 412	%	650	f b c
Tear Strength	ASTM D 624	pli	155	f b c

- b** Based on injection molded plaques
c Die C
d 22 hrs at 23C
e Specimen did not break
f Machine Direction
g Cross Direction

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.

Medical Devices, Healthcare and Cosmetic Applications and Trademark Usage

Kraton Polymers' products should not be used in any devices or materials intended for implantation in the human body as defined by the U.S. Food and Drug Administration under 21 CFR 812.3(d) and 21 CFR 860.3(d). No customer of Kraton Polymers LLC and/or any of its direct or indirect subsidiaries ("Kraton Polymers"), or any other party, shall, without the express written consent of Kraton Polymers for each specific, individual application, be permitted to manufacture, use, sell, process, or otherwise supply, directly or indirectly, any Kraton Polymers Product, or any compound containing or made from any Kraton Polymers Product, in any of the following applications:

1. Cosmetics (exclusive of packaging or delivery applications);
 2. Drugs and other Pharmaceuticals (exclusive of packaging or delivery applications);
- and
3. Medical devices; provided, that any medical device that satisfies any one of the following definitions shall not be deemed to fall within the foregoing medical device restriction: (a) any medical device falling within the definition of either a Class I or Class II medical device, as defined in any federal law or regulation of the United States or Canada, or (b) any medical device falling within the definition of a Class I or Class II(a) medical device, as defined by any applicable regulation of the European Union or any member state thereof.

No customer of Kraton Polymers, or any other party, shall be permitted to use any of Kraton Polymer's trade names, trademarks, logos or other similar identifying marks or characteristics for the manufacture, sale, or promotion of its cosmetics, drugs, pharmaceutical products/materials, or medical devices.

Please contact your Kraton Polymers Sales Representative for more details before using our products in these specific applications.

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 \pm 1/2 \circ C (437 \pm 1/2 \circ F) for Kraton IR and Kraton D (polymers and compounds), and 280 \pm 1/2 \circ C (536 \pm 1/2 \circ F) 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.

Warranty

The information contained in this publication is, to the best of Kraton Polymers' knowledge, true and accurate, but any recommendations or suggestions that may be made are without guarantee, since the conditions of use and storage are beyond Kraton Polymers' control. The customer understands that it shall make its own assessment to determine the suitability of a Kraton Polymers product for a particular purpose. Further, nothing contained herein shall be construed as a recommendation to use any Kraton Polymers product in conflict with existing patents. All products purchased from or supplied by Kraton Polymers are subject to terms and conditions set out in the applicable contract, order acknowledgement and/or bill of lading. Kraton Polymers warrants only that its products will meet those specifications designated therein.

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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 Rm 1601-03, Plaza 66, Phase 2 1266 West Nanjing Road Shanghai 200040, China +86 21 6289 6161	Europe, Middle East, Africa John M. Keynesplein 10 NL - 1066 EP Amsterdam The Netherlands +31 (0) 20 201 7697
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