K0085
North America
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KRATON® G1726 M Polymer

Data Document

Identifier : K085DDi12U

Description

Kraton G1726 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 G1726 MS - is supplied as a dusted, dense pellet.

Kraton G1726 M is used as a modifier of bitumen and polymers. It is also suitable as an ingredient in formulating compounds for footwear applications and may be used in formulating adhesives, sealants, and coatings.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Melt Flow, 190C/2160g	ASTM D1238	g/10 min	15.0 TO 23.0	
Polystyrene Content	KM 03	%m	29.2 TO 31.6	b
Volatile Matter	KM 04	%m	<= 1.0	
Ash, S	BAM 908	%w	0.01 TO 0.20	e
Total Extractables	KM 05	%m	<= 1.0	
Antioxidant	KM 08	%m	0.03 TO 0.10	a
Vis, Sol (Toluene) 25.0%w @25C	BAM 922	cP	140 TO 220	

a Non-staining phenolic antioxidant.
b Measured on the polymer before hydrogenation.
e Dusted with silica

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

Property	Test Method	Units	Typical Value	Notes
Diblock content	n/a		70	
Specific gravity	ASTM D4025	gm/cc	0.91	
Tensile strength	ASTM D-412	psi	350	d
Elongation at break	ASTM D-412	%	200	d
Styrene / Rubber ratio	n/a		30/70	
Hardness	ASTM 2240	Shore A (10s)	70	c

c Typical values on polymer compression molded at 300F.
d Measured on films cast from a solution in 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.

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°C (437°F) for Kraton IR and Kraton D (polymers and compounds), and 280°C (536°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	**Asia Pacific**	**Europe, Middle East, Africa**
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	Rm 1601-03, Plaza 66, Phase 2 1266 West Nanjing Road Shanghai 200040, China +86 21 6289 6161	John M. Keynesplein 10 NL - 1066 EP Amsterdam The Netherlands +31 (0) 20 201 7697