



K0630
Asia
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KRATON™ G1657 V Polymer

Data Document

Identifier : K630DDe22A

Description

Kraton G1657 V is a clear, linear triblock copolymer based on styrene and ethylene/butylene with a polystyrene content of 13%. It is supplied from Taiwan in the physical form identified below.

- Kraton G1657 VS is supplied as a silica dusted, dense pellet
- Kraton G1657 VO is supplied as an organic dusted, dense pellet

Kraton G1657 V is used as a modifier of bitumen or thermoplastics and in compound formulations. It may also find use as an ingredient in formulating adhesives, sealants and coatings.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Antioxidant	KM 08	%m	0.03 TO 0.10	a
Ash	AGAM 908	%w	0.02 TO 0.12	c
Vis, Sol (Toluene) 20.0%w @25C	AGAM 922	cP	1,200 TO 1,800	
Polystyrene Content	KM 03	%m	12.3 TO 14.3	b
Volatile Matter	KM 04	%m	≤ 1.0	
Total Extractables	KM 05	%m	≤ 1.5	

- a** Non-staining phenolic antioxidant.
b Measured on the polymer before hydrogenation.
c G1657 VS, silica dusted

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

Property	Test Method	Units	Typical Value	Notes
Hardness	ASTM 2240	Shore A (10s)	47	b
Elongation at break	ASTM D-412	%	750	a
Tensile strength	ASTM D-412	psi	3400	a
Styrene / Rubber ratio	n/a		13/87	
Specific gravity	ASTM D4025	gm/cc	0.90	
Melt index 230°C, 5kg	n/a	gms/10 min.	22	
Diblock content	n/a		30	
300% Modulus	ASTM D-412	psi	350	a

- a** Typical properties determined on film cast from toluene solution.
b Typical values on polymer compression molded at 300F.

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 GHS Data Sheet carefully and thoroughly before beginning any work.

Legal Disclaimer

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For Further Information

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