K682
Asia

KRATON™ G1646 V Polymer

Data Document

Identifier : K682DDb20A

Description

Kraton G1646 V is a high 1,2 butadiene, coupled hydrogenated styrene-butadiene (S-EB)x polymer and is supplied from Taiwan in the physical form identified below:

- Kraton G1646 VO - supplied as a dusted, dense pellet

G1646 V was formerly known as Kraton MD1646 V
The product exhibits the following characteristics:

- Enhanced midblock for increased compatibility with polypropylene.
- Good UV and thermal stability as with all KRATON G type products.
- Good melt flow designed for good processibility of compound in applications such as medical tubing.

Sales Specifications

Property	Test Method	Units	Sales Specification Range	Notes
Melt Flow, 230C/2160g	ASTM D1238	g/10 min	10.0 TO 15.0	
Antioxidant	KM 08	%	0.08 TO 0.16	a
Polystyrene Content	KM 03	%m	12.0 TO 14.0	b
Total Extractables	KM 05	%m	<= 1.6	
Volatile Matter	KM 04	%m	<= 0.4	

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

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

Property	Test Method	Units	Typical Value	Notes
Tensile Strength	ASTM D 412	psi	1450	a
Hardness, Shore A	ASTM D 2240	Shore A (10 sec)	35	b
Elongation at Break	ASTM D 412	%	800	a

a Measured on solution cast film with mini D die at 2 in/min.
b Measured on injection molded plaques.

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.