

Kraton® IR307 Polyisoprene

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Description: Kraton IR307 polymer is a solution polymerized polyisoprene with a high cis-1,4 content. It has a high molecular weight as indicated by its limiting viscosity number of 7.75 dl/g. Region: Asia Pacific, Europe, Japan, North America, and South America. Uses: A non-staining stabilizer is added at the typical value of 0.1%. Kraton IR307 Polymer is used as a replacement for natural rubber in a wide range of compounds, offering advantages of light color, uniformity and low levels of impurities. Its good flow characteristics produce improvements in mixing and molding behavior. It is used for food and pharmaceutical packaging and seals, baby bottle teats and health care, adhesives, chemical derivatives of rubbers and very light colored or transparent articles. Kraton IR307 polymer is manufactured to the highest standards but special requirements apply to certain sensitive applications such as food contact and pharmaceuticals. Reference should always be made to local legislation regulating these applications. Applications: Adhesives, Sealant and Coatings; Compounding and Personal Hygiene; Medical; Packaging and Polymod; and Personal Care. Information provided by Kraton®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-IR307-Polyisoprene.php

Physical Properties	Metric	English	Comments
Volatiles	<= 0.50 %	<= 0.50 %	ASTM D5668
Ash	<= 0.10 %	<= 0.10 %	ASTM D5667

Mechanical Properties	Metric	English	Comments
Tensile Strength	>= 21.6 MPa	>= 3130 psi	Cure: 40 mins at 135Å°C; ISO 37
Elongation at Break	>= 428 %	>= 428 %	Cure: 40 mins at 135Å°C; ISO 37
300% Modulus	0.00860 - 0.0135 GPa	1.25 - 1.96 ksi	Cure: 40 mins at 135Å°C; ISO 37

Descriptive Properties	Value	Comments
Content	1,4-Cis	>90%, KM 32
	IRB7 industry reference oil furnace carbon black	35 parts by mass
	LVN	6.7-9.2 dL/g, KM 33
	N-tert-butyl-2-benzothiazile sulphenamide (TBBS)	0.7 parts by mass
	Polymer	100 parts by mass
	Stabilizer	0.06-0.12%, KM 31
	Stearic Acid	2 parts by mass
	Sulphur	2.25 parts by mass

Descriptive Properties

Zinc Oxide
Value

5 parts by mass
Comments

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China