

## Kraton® Cariflex,ç IR0310 K Polyisoprene

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

### Material Notes:

Description: Cariflex IR0310 KU polymer is a solution polymerized polyisoprene with a high cis-1,4 content. It has a high molecular weight as indicated by its Logarithmic Inherent Viscosity (LIV) value of 7.05 dl/g. It is supplied from North America in the physical form identified: Cariflex IR0310 KU - supplied as a white/transparent solid baleRegion: Asia Pacific, Europe, Japan, North America, and South AmericaUses: A non-staining stabilizer is added at the typical value of 0.15%. Cariflex IR0310 KU 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. Cariflex IR0310 KU 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.Applications: Adhesives, Sealant and Coatings; Compounding and Personal Hygiene; Medical; and Personal CareInformation provided by Kraton®

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kraton-Cariflex-IR0310-K-Polyisoprene.php](http://www.lookpolymers.com/polymer_Kraton-Cariflex-IR0310-K-Polyisoprene.php)

Physical Properties	Metric	English	Comments
Volatiles	<= 0.50 %	<= 0.50 %	KM 04
Mooney Viscosity	40 - 53	40 - 53	[MU]; ASTM D1646
Ash	<= 0.10 %	<= 0.10 %	KM 35

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	0.00730 - 0.0122 GPa	1.06 - 1.77 ksi	Cure: 40 mins at 135Å°C; ISO 37

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Descriptive Properties	Value	Comments
Content	1,4-Cis, FTIR	>90%, KM 34
	1,4-Cis, NMR	>82%, KM 34
	LIV	6.1-8.0 dL/g, KM 33
	LVN	7.0-10.5 dL/g, KM 33

Descriptive Properties	Stabilizer Value	0.1-0.3% KM 31 Comments
------------------------	---------------------	----------------------------

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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