Cariflex® IR0401 BU

Polyisoprene

Kraton Polymers LLC

Message:

Cariflex™ IR0401 BU Latex is a water-based emulsion of an anionically polymerized polyisoprene with a high cis-1,4 content, high molecular weight and a high linearity. The emulsion also contains a non-staining antioxidant (typical level of 0.1% mass on solids) and a surfactant.
Cariflex™ IR0401 BU Latex is a synthetic rubber emulsion and can be used as an alternative to natural rubber latex in a variety of applications ranging from dipping to extrusion. It offers specific advantages such as light color, consistency and low levels of impurities.
Cariflex™ IR0401 BU Latex is made under Good Manufacturing Practices, but additional requirements may apply to food contact, pharmaceutical and medical device applications using this material. Reference should always be made to the local legislation regulating these applications.

General Information	
Additive	Antioxidant
Features	Antioxidant
	High Molecular Weight
	High Purity
	Low to No Odor
Uses	Rubber Replacement
Appearance	White
Processing Method	Dip Coating
	Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm³	ISO 2781
1,4-cis Content			Internal Method
-- [1]	> 82.0	wt%	
-- [2]	> 90.0	wt%	
Antioxidant Additive	0.10	%	Internal Method
Ash Content	< 0.10	%	Internal Method
Gel Content	0.0	%	
Limiting Viscosity Number	670 to 920	cm³/g	Internal Method
Molecular Weight	1500000 to 2500000	g/mol	Internal Method
pH	9.5 to 12.0		Internal Method
Solids Content	> 63	%	Internal Method
Freezing Point	0	°C	
Brookfield Viscosity	< 150	mPa·s	Internal Method
Median Particle Size	< 1.8	µm	Internal Method
Odor	Neutral		
T.A.M.C. at Drumming	< 1000	CFU/ml	USP 24

NOTE	
1.	NMR

2.	FTIR

Recommended distributors for this material

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