

# Cariflex® IR0401 SU

Polyisoprene  
Kraton Polymers LLC

Message:

Kraton IR0401 SU Latex is a water-based emulsion of an anionically polymerised 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. Kraton IR0401 SU 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 colour, consistency and low levels of impurities. Kraton IR0401 SU 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	High Molecular Weight
	High Purity
Appearance	White
Processing Method	Dip Coating
	Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm <sup>3</sup>	ISO 1183
1,4-cis Content			Internal Method
-- <sup>1</sup>	> 82.0	wt%	
-- <sup>2</sup>	> 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	cm <sup>3</sup> /g	Internal Method
Molecular Weight	1500000 to 2500000	g/mol	Internal Method
pH	9.5 to 12.0		JIS Z8803
Solids Content	1.1	hr	JIS K0067
Freezing Point	0	°C	
Brookfield Viscosity	< 150	mPa · s	JIS Z8802
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

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