

IR SKI-3

Polyisoprene

Description

SKI-3 is the nearest substitute for a natural rubber. It is a synthetic polyisoprene with cis-1,4 content of at least 96%. SKI-3 uses a staining antioxidant.

End Use

Used for the production of tires and various rubber-technical articles, including food applications, rubber footwear, sporting goods, bonding compounds, and water repellent compositions.

Features

- The nearest substitute for a natural rubber
- Can be used alone or in combination with other rubbers

Packing

- 30 kg bales
- 15 bales per wooden crate (450 kg net total)
- Wrapped in dispersible polyethylene film

Raw Polymer: Chemical & Physical Analysis

Property	Unit	Group 1	Group 2	Test Method
Mooney Viscosity	ML ₁	75 - 85	65 - 74	Para 4.2 of GOST
Viscosity spread/lot	ML ₁	8	8	
Plasticity		0.30—0.35	0.36-0.41	Para. 4.3 of GOST
Ash Content	%	0.5 max	0.5 max	Para 4.5 of GOST
Titanium Content	%	0.06 max	0.06 max	Para 4.6 of GOST
Iron Content	%	0.004 max	0.004 max	Para 4.6 of GOST
Loss of mass at drying	%	0.6 max	0.6 max	Para 4.7 of GOST
Stearic Acid	%	0.5 - 1.4	0.5 - 1.4	Para 4.8 of GOST
Elongation at Break	%	800 min	800 min	Para 4.4 of GOST
Tensile Strength**	MPa	30.4 (310) min	30.4 (310) min	Para 4.4 of GOST
Tensile Strength ***	MPa	21.6 (220) min	21.6 (220) min	Para 4.4 of GOST

* ML 1+4 (100°C)

** At 23 Grade C

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Note: The technical data listed in this publication are typical values. Therefore, there may be a slight differences between the elements of a supplied product and the data.