

Bromobutyl Rubber

BIIR Grade Rubber

Description

Bromobutyl Rubber (BIIR) is used by the tire industry in the production of inner liner of the tubeless tires and radial tires, heat-resistant tubes, and by the rubber processing industry in the production of rubber technical items and medical items.

Raw Polymer: Properties

Property	BBK-232	BBK-239	BBK-246
Mooney Viscosity*	28 - 35	36 - 42	43 - 50
Bromine (% wt)	1.8 - 2.2	1.8 - 2.2	1.8 - 2.2
Ash (% wt, max.)	0.5	0.5	0.5
Antioxidant (% wt)			
Irganox 1010	0.1 - 0.3	0.1 - 0.3	0.1 - 0.3
Wingstey L	0.1 - 0.3	0.1 - 0.3	0.1 - 0.3
Volatiles (% wt, max.)	0.7	0.7	0.7
Modulus (Mpa, min)**	4	5	5
Tensile Strength (Mpa, min.)	14	15	15
Ultimate Elongation (% , min.)	400	400	400

* ML 1+8 (125°C)

** at 300% elongation

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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.