



Ravaflex™ BIIR

Rubber – Industrial Quality Compound

OVERVIEW

Description	Ravaflex™ BIIR is a reprocessed brominated copolymer of isobutylene and isoprene.
Characteristics	Ravaflex™ Bromobutyl is produced by carefully combining selected feedstocks for uniform viscosity and rheology. Ravaflex™ BIIR has very good low gas permeability and resistance to oxidative and ozone degradation. These characteristics make it an excellent choice in applications such as inner liners, mechanical goods, sealants, and adhesives.

RAW MATERIAL PROPERTIES

Property	Nominal Value	Unit	Test Method
Mooney Viscosity ⁽¹⁾ (ML 1+8@125°C)	25 - 45	MU	ASTM D1646
Bromine Content	1.4 min.	wt. %	Internal Method
Moisture Content	1.0 max.	wt. %	Internal Method
Ash Content	1.0 max.	wt. %	ASTM D5667
Density	0.93	g/cm ³	ASTM D297
Antioxidant	Nonstaining		

SUPPLY FORM

- 34 kg ± 1 kg (75 lbs ± 2 lbs) bales wrapped in a low melt dispersible film.
- 36 bales stacked in 1 returnable metal crate. Units weigh 1.22 MT (≈ 2,700 lbs.)

OTHER PRODUCT PROPERTIES

Cure Characteristics ⁽²⁾⁽³⁾	Value	Unit	Test Method
Max. Torque (M _H)	5.5 - 9.5	dN•m	ASTM D5289
Min. Torque (M _L)	1.9 - 3.1	dN•m	ASTM D5289
Scorch Time (Ts1)	1.8 - 4.0	min	ASTM D5289
50% Cure Time (t'50)	2.0 - 8.0	min	ASTM D5289
90% Cure Time (t'90)	4.5 - 15.0	min	ASTM D5289

The data and information contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. No liability, warranty or guarantee of product performance is created by this document. Ravago industrial quality compounds are totally or partially produced with non-prime quality ingredients. Even though the selection of the raw materials, the production and the quality control is being done following to the common best practices, it is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.

(1) Mooney viscosity testing in accordance with ASTM D1646, un-massed sample.
 (2) Rheometer testing in accordance with ASTM D5289. MDR Rheometer test conditions at 160°C, 40 min, .5° Arc.
 (3) Characteristics determined on a standard compound formulation; in accordance with ASTM D3958. Ravaflex™ BIIR - 100; IRB - 40, Zinc Oxide - 5, Stearic Acid - 1.