

BROMOBUTYL RUBBER

Bromobutyl rubber is a product of butyl rubber bromination with unsaturation of min. 1,5% mol.

Application: in tyre and mechanical rubber industries, to manufacture medical items.

Chemical name: Brominated copolymer of isobutylene and isoprene

Empirical formula: $((C_4H_8)_l(C_5H_8)_m(Br)_n)_x$

Standard specification: TU 20.17.10-096-05766801-2017

Product characteristics

Property	Value by grades		Test method
	BIIR-232	BIIR-246	
1. Mooney Viscosity ML 1+8 (125°C), MU, within	28-35	43-50	para.4.2 of TU or ASTM D 1646
2. Viscosity spread in a lot Mooney, MU, max	4	4	para.4.2 of TU
3. Bromine, wt %, within	1.50-2.20	1.50-2.20	para.4.3 of TU or ASTM D 3566
4. Ash, wt %, max	0.70	0.70	para.4.4 of TU or ISO 247 or ASTM D 5667
5. Non-staining antioxidant, wt %, min	0.05	0.05	para.4.6 of TU
6. Loss on drying, wt %, max	0.70	0.70	para.4.7 of TU or ISO 248 or ASTM D 5668
7. Curing characteristics, within: - minimum torque M_L , dNm - maximum torque, M_H , dNm - time to cure start, t_{S1} , minutes - time to 50% cure, $t'(50)$ minutes - time to 90% cure, $t'(90)$ minutes	1.2-3.3 5.5-10.5 1.2-3.8 3.5-7.1 5.5-11.0		para.4.9 of TU

Product form: 30±1 kg bales.

Packaging: Bales are wrapped in EVA film.
Wrapped briquettes are packed in box pallets:
- polymer container;
- metal containers of type MV-5 (or its analogs).

Pallet box internal surface is covered with PE film or PE bag (liner) to protect from contamination; after loading the box is closed and wrapped with belt. Two shipping labels are applied to each pallet box.

Transport: All types of transport in accordance with the applicable shipping rules.

Storage: Rubber packed in:
- polymer containers are stored in stacks of no more than 3 deck in height;
- metal containers are stored in stacks up to 5 deck in height;
Packaged rubber is stored in the warehouse of the manufacturer or consumer in places protected from direct sunlight, atmospheric precipitation and pollution.
Guarantee shelf life - 1 year from the date of production.

The information herein is based on our data compiled and believed to be reliable on the revision date. This specification does not release customer from the responsibility to check the product for fitness for the intended use. Producer disclaims liability for any loss or damage arising from usage of this information.