

BROMOBUTYL RUBBER

Produced through butyl rubber bromination with unsaturation of min. 1.5 % mol.

Chemical name: Brominated polymer of 2-methylprop-1-ene with 2-methylbutadi-1,3-ene

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

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

Technical requirements: TU 2294-096-05766801-2000

QUALITY	GRADE VALUE			TEST METHOD
	BBK-232	BBK-239	BBK-246	
1. Viscosity, ML 1+8 (125°C), in the range	28-35	36-42	43-50	p.4.2 TU or ASTM D 1646
2. Viscosity spread in a lot, max	4	4	4	p.4.2 TU
3. Mass fraction of bromine, %	1.50-2.20	1.50-2.20	1.50-2.20	p.4.3 TU or ASTM E 442
4. Mass fraction of ash, %, max	0.7	0.7	0.7	p.4.4 TU or ISO 247 or ASTM D 5667
5. Mass fraction of antioxidant "Irganox- 1076", %, min.	0.05	0.05	0.05	p.4.6 TU
6. Loss of mass at drying, %, max	0.7	0.7	0.7	p.4.7 TU or ISO 248 or ASTM D 5668
7. Curing characteristics (M_H , M_L -dHM, t_{s1} , t'_{50} , t'_{90} min)	NR, to be defined			p.4.9 TU or ISO 3417 or ASTM D5289 or ISO 6502 or GOST 12535
8. Elastic and strengthening properties of rubber under tension: - conventional stress at 300 % elongation, MPa, min. - Nominal tensile strength, MPa, min. - Elongation at break, %, min.	NR, to be defined at Users' request			p.4.10 TU or ASTM D 412 or ISO 37

Supply form: 30±1 kg bales.

Packaging: - in PE film, unstained and unmodified, grades M and T, tubular, center fold film, one-layer canvas film (0.050×750) mm per GOST 10354;
- in EVA-film, tubular, center fold, canvas film (0.050×750) mm per СТП 4.21-03 (with melting point of max 85°C) for export supply or similar quality film.

Transportation: By all modes of transport in compliance with the goods transportation regulations effective for the given mode of transport.

Storage: Rubber packed in palletted boxes shall be stowed of max three boxes and be stored at Producer's or User's warehouses in areas protected from contamination, direct sun rays and atmospheric precipitation.

Information contained herein is provided to the best of our knowledge and is considered true on the revision date. This specification does not release the customer from obligation to check the product as to suitability thereof for the intended application. We do not accept any liability for loss and damage that may occur from the use of this information.