

## BROMOBUTYL RUBBER (TU 2294-096-05766801-2000)

Bromobutyl rubbers are products of butyl rubber bromination with unsaturation of at least 1.8% mol. It is used in production of tires, rubber-technical and medial articles.

MAIN QUALITY SPECIFICATIONS				
	TEST METHOD	BBK-232 Typical Value	BBK-239 Typical Value	BBK-246 Typical Value
<b>Mooney Viscosity, ML 1+8 (125 °C)</b>	§ 4.2. of TU or ASTM D 1646	28 – 35	36 – 42	43 – 50
<b>Bromine mass content ,%</b>	§ 4.3. of TU or ASTM E 442	1.8 – 2.2	1.8 – 2.2	1,8 – 2.2
<b>Ash mass content, % max.</b>	§ 4.4. of TU or ISO 247 or ASTM D 5667	0.7	0.7	0.7
<b>Irganox 1076 antioxidant mass content,%</b>	§ 4.6. of TU	0.05	0.05	0.05
<b>Loss of mass at drying, %, max.</b>	§ 4.7. of TU or ISO 248 or ASTM D 5668	0.7	0.7	0.7
<b>Modulus at 300% elongation, MPa, min.</b>	§ 4.10. of TU or ISO 37 or ASTM D 412	4.5	5	5
<b>Tensile Strength, MPa, min.</b>	§ 4.10. of TU or ISO 37 or ASTM D 412	14	15	15
<b>Ultimate elongation, %, min.</b>	§ 4.10. of TU or ISO 37 or ASTM D 412	400	400	400

## CHLOROBUTYL RUBBER (TU 2294-096-05766801-2000)

Chlorobutyl rubbers are products of butyl rubber chlorination with unsaturation of at least 1.8% mol. It is used in production of tires, rubber-technical and medial articles.

MAIN QUALITY SPECIFICATIONS			
	TEST METHOD	CBK-139 Typical Value	CBK-150 Typical Value
<b>Mooney Viscosity, ML 1+8 (125 °C)</b>	§ 4.2. of TU or ASTM D 1646	34 – 44	45 – 55
<b>Chlorine mass content ,%</b>	§ 4.3. of TU or ASTM E 442	1.15 – 1.35	1.15 – 1.35
<b>Ash mass content, % max.</b>	§ 4.4. of TU or ISO 247 or ASTM D 5667	0.5	0.5
<b>Irganox 1076 antioxidant mass content, %</b>	§ 4.5. of TU	0.05	0.05
<b>Loss of mass at drying, %, max.</b>	§ 4.7. of TU or ISO 248 or ASTM D 5668	0.5	0.5
<b>Modulus at 300% elongation, MPa, min.</b>	§ 4.10. of TU or ISO 37 or ASTM D 412	4	4
<b>Tensile Strength, MPa, min.</b>	§ 4.10. of TU or ISO 37 or ASTM D 412	12	13
<b>Ultimate elongation, %, min.</b>	§ 4.10. of TU or ISO 37 or ASTM D 412	400	400

**Supply Form:** 30±1 kg bales

**Packaging:** Polyethylene film, wooden and metal pallet boxes

**Transportation:** Product is transported by all means of transport

**Storage:** Rubber in pallet boxes should be stacked maximum three tires high. Rubber in bags should be stacked than 1.2 meters. Store in warehouses, away from direct sun-rays, atmospheric precipitation and contamination at temperature not higher than 30 °C.