

BROMOBUTYL RUBBER BBK-232

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| Bromobutyl Rubber | Product of bromination of butyl rubber with unsaturation of minimum 1.5 mol% |
| Application | Tire and automotive industries, production of medical supplies |
| Chemical name | Brominated copolymer of isobutylene and isoprene |
| Empiric formula | $((C_4H_8)_L (C_5H_8)_M (Br)_N)_X$ |
| Technical specification | TU 20.17.10-096-05766801-2017 |

| PROPERTY | VALUE | TEST METHOD |
|---|-------------|------------------------|
| Viscosity, ML 1+8 (125°C), within the range | 28 - 35 | ASTM D 1646 |
| Viscosity spread in a lot, max | 4 | Paragraph 4.2 TU |
| Bromine mass content wt%, within the range | 1.50 - 2.20 | ASTM E 442 |
| Ash mass content, %, max | 0.7 | ISO 247 or ASTM D 5667 |
| Antioxidant Irganox 1076 (or similar), wt%, min | 0.05 | Paragraph 4.6 TU |
| Volatiles, wt%, max | 0.7 | ISO 248 or ASTM D 5668 |
| Curing characteristics | | |
| - ML, dNm | 1.2 - 3.3 | ASTM D 5289 |
| - Mn, dNm | 5.5 - 10.5 | |
| - tS1, minutes | 1.2 - 3.8 | |
| - t50, minutes | 3.5 - 7.1 | |
| - t90, minutes | 5.5 - 11.0 | |

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| Supply form | 30 ± 1 kg bales |
| Packaging | Bales are wrapped in a PE film and packed in plastic pallet boxes |
| Transportation | Closed containers or trucks |
| Storage | Pallets with rubber are kept in max. 3 level stacks away from direct sunlight, rainfall and contamination |

The information herein is based on our data compiled and believed to be reliable on the revision date. This specification does not relieve the Customer from liability for checking the product for compliance with the proposed application. The manufacturer is n responsible for any losses or damages that may arise due to application of this information