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## BROMO BUTYL RUBBER - BBK-239

CAS Number: 68441-14-5 Design specification: TU 2294-096-05766801-2000

This is a product of butyl rubber bromination with unsaturation of not less than 1.8 .% mol. Chlorobutyl rubber is designed for use in the tire and rubber production industry for the manufacture of medical and general purpose articles.

| Item  | Specification | Test Method                                     |
|---|---------------|---|
| Mooney viscosity ML 1+8 (125° C)                  | 36 - 42       | Para graph 4.2 of TU, or ASTM D 1646            |
| Bromine mass content percent                      | 1.80 – 2.20   | Para graph 4.3 of TU, or ASTM E 442             |
| Ash mass content – not more than – percent        | 0.70          | Para graph 4.4 of TU, or ISO 247 or ASTM D 5667 |
| Antioxident “Irganox 1076”, mass content, percent | 0.05          | Paragraph 4.6 of TU                             |
| Loss of mass at drying, percent maximum           | 0.70          | Para graph 4.7 of TU, or ISO 248 or ASTM D 5668 |
| Modulus at 300% elongation, MPa, minimum          | 5.0           | Para graph 4.10 of TU, or ISO 37 or ASTM D 412  |
| Tensile Strength, MPa, minimum                    | 15            | Paragraph 4.10 of TU or ISO 37 or ASTM D 412    |
| Ultimate elongation, percent minimum              | 400           | Paragraph 4.10 of TU or ISO 37 or ASTM D 412    |

**Supply Form:** 30 (plus/minus 1) kilo bales

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

**Storage:** Rubber in pallet boxes should be stacked maximum three tiers high. Storage in warehouses, away from direct sun and precipitation and contamination at temperature not higher than 30° C (86° F).

Information contained in this document is provided to the best of our knowledge and is considered true as per revision date. This specification does not release the customer from obligation to check the product as to its suitability for the intended area of usage. We do not accept any liability for loss and/or damage which may occur as a result of the use of this information.

Revised: December 3, 2003