

## CHLORINATED BUTYL RUBBER

**Chlorinated butyl rubber** is obtained by butyl rubber chlorination with unsaturation of min 1.8 mol%.  
 Application: in tyre and mechanical rubber industries, for medical products manufacture.

Chemical name: Chlorinated isobutylene-isoprene copolymer

Technical specification: TU 20.17.10-096-05766801-2017

### Product characteristics

| Name of parameter  | Specifications for                                    |           | Test method                                   |
|--|---|-----------|---|
|  | CBK-139   | CBK-150   |   |
| 1. Viscosity, ML 1+8 (125°C), within the range   | 33÷44   | 45÷55     | Acc. to TU para.4.2 or ASTM D 1646            |
| 2. Viscosity spread in a lot, max  | 4   | 4         | Acc. to TU para.4.2                           |
| 3. Chlorine, wt%, within the range   | 1,10÷1,40   | 1,10÷1,40 | Acc. to TU para.4.3 or ASTM D 3566            |
| 4. Ash mass content, %, max  | 0.5   | 0.5       | Acc. to TU para.4.4 or ISO 247 or ASTM D 5667 |
| 5. Antioxidant Irganox 1010 (or similar), wt%, min   | 0.05  | 0.05      | Acc. to TU para.4.5                           |
| 6. Volatiles, wt%, max   | 0.7   | 0.7       | Acc. to TU para.4.7 or ISO 248 or ASTM D 5668 |
| 7. Curing characteristics<br>-minimum torque $M_L$ , dNm<br>-maximum torque $M_n$ , dNm<br>- time to cure start, t <sub>S1</sub> , minutes<br>-time before totalling of 50 % curing , t'(50) min<br>-time before totalling of 90 % curing , t'(90) min | 2,0÷3,5<br>6,5÷10,0<br>0,8÷2,2<br>2,5÷5,0<br>6,5÷11,0 |           | Acc. to TU para.4.9 or ASTM D 5289            |

**Supply form:** 30 ± 1 kg bales

**Bales packaging:** Bales are wrapped in center-fold, tubular, band marked and unmarked EVA film, (0.050×750) mm, Vicat softening temperature 85°C max (or similar).

**Shipping package:** Product is stored and shipped in polymer pallet boxes. Pallet box internal surface is covered with PE bag (liner) before loading; after loading the box is closed and wrapped with belt. Two shipping labels are applied to each box.

**Transportation:** All types of transport in accordance with goods transportation rules, valid for this mode of transport.

**Storage:** Pallet boxes with rubber are kept in stacks in producer's or user's warehouse. Product should be protected from contamination and stored away from direct sunlight and rainfall.  
 Stacks should not be higher than three pallet levels each.  
 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 relieve the Customer from liability for checking the product for compliance with the proposed application. The manufacturer is not responsible for any losses or damages that may arise due to application of this information.