

CHLOROBUTYL RUBBER

Product obtained by chlorination of butyl rubber with unsaturation 1.8 mol% minimum.

Application: tire and mechanical rubber industries, medical products manufacture.

Chemical name: Chlorinated isobutylene-isoprene copolymer

Empirical formula: $((C_4H_8)_m(C_5H_8Cl)_n)_x$

Specifications: TU 20.17.10-096-05766801-2017

Product characteristics

Property	Value by grades		Test method
	CIIR-139	CIIR-150	
1. Viscosity, ML 1+8 (125°C), within the range	33÷44	45÷55	TU para.4.2 or ASTM D 1646
2. Viscosity spread in a lot, max	4	4	TU para.4.2
3. Chlorine, wt%, within the range	1.10÷1.40	1.10÷1.40	TU para. 4.3 or ASTD D 3566
4. Ash, wt%, max	0.5	0.5	TU para.4.4 or ISO 247 or ASTM D 5667
5. Irganox 1010 (or similar), wt%, min	0.05	0.05	TU para.4.5
6. Loss on drying, %, max	0.7	0.7	TU para 4.7 or ISO 248 or ASTM D 5668
7. Curing characteristics -minimum torque M_L , dNm -maximum torque M_H , dNm - time to cure start, t_{S1} , minutes - time to 50% cure, $t'(50)$ minutes - time to 90% cure, $t'(90)$ minutes	2.0÷3.5 6.5÷10.0 0.8÷2.2 2.5÷5.0 6.5÷11.0		TU para. 4.9 or ASTM D 5289

Product form: 30 ± 1 kg bales

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

Shipping package: Storing and transportation in polymer, wooden pallets or metal containers of MB-5 type (or similar). Pallet box or container internal surface is covered with PE bag (liner) before bales loading; after loading the box/container is closed and wrapped with belt. Two shipping labels are applied to each pallet box.

Transport: All types of transport in accordance with the applicable shipping rules.

Storage: Polymer 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 - 2 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 release the customer from the responsibility to check the product for fitness for the intended use. Producer disclaims liability for any loss or damage arising from usage of this information.