

**BUTYL RUBBER
 GRADE IIR-1675N**

Butyl rubber grade IIR-1675N is a product of isobutylene and isoprene copolymerization.

Application: manufacture of tire inner tubes, press bladder diaphragms and butyl rubber latex, and other industrial applications.

Chemical name: Isobutylene-isoprene copolymer

Empiric formula: $(C_4H_8)_m(C_5H_8)_n$

Standard specification: TU 20.17.10-034-05766801-2021

Property	Value	Test method
1. Mooney Viscosity ML 1+8 (125°C), MU, within	46-56	para. 4.2 TU or ASTM D 1646
2. Viscosity spread in a lot Mooney, MU, max	6	para. 4.2 TU
3. Unsaturation, mol %, within	1.4-1.8	para 4.3 TU
4. Loss on drying, wt %, max	0.30	para. 4.4 TU or ASTM D 5668
5. Ash, wt %, max	0.30	para. 4.5 TU or ASTM D 5667
6. Iron, wt %, max	0.010	para. 4.6 TU
7. Adhesion reducing agent, wt %, max	1.1	para 4.6 TU
8. Non-staining antioxidant, wt %, within	0.05-0.20	para. 4.8, 4.9, 4.10, 4.11 TU
9. Impurities	No	para. 4.12 TU
10. Curing characteristics, within:		
- minimum torque M_L , dNm	2.4-4.4	para. 4.13 TU
- maximum torque, M_H , dNm	16.0-20.0	
- time to cure start, t_{S1} , minutes	1.1-3.1	
- time to 50% cure, $t'(50)$ minutes	4.0-8.0	
- time to 90% cure, $t'(90)$ minutes	22.0-26.0	

Product form: 30±1 kg bales

Package: Bales are wrapped in PE film or EVA film.

Shipping package: Product is stored and shipped in polymer pallet boxes or metal containers such as MB-5 (or its analogs). Before loading pallet box or containers internal surface is covered with PE bag (liner) to protect from contamination; after loading the box is closed and wrapped with belt. Two shipping labels are applied to each pallet box or containers.

Transportation: Rail way shipment by less than-carload-freight or single wagon load or group load. Truck shipment in covered vehicles in accordance with the applicable transportation rules.

Storage: Rubber packed in:
 - polymer containers are stored in stacks of no more than 3 deck in height;
 - metal containers are stored in stacks up to 5 deck in height;
 Packaged rubber is stored in the warehouse of the manufacturer or consumer in places protected from direct sunlight, atmospheric precipitation and pollution.
 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 release 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.