

SOLUTION STYRENE-BUTADIENE RUBBER

Product of solution copolymerization of 1,3-butadiene and styrene over organolithium catalysts.

Chemical name: Polymer of 1,3-butadiene and styrene

Empirical formula: $[(C_8H_8)_m (C_4H_6)_n]_x$

Application: Solution styrene-butadiene rubber, SSBR-621, SSBR-628 grades, is applied for production of all-weather and summer tires with low rolling loss, high wet grip and wear resistance. SSBR-610 is applied for production of advanced winter tires with low rolling loss, high icy grip and durability.

Specifications: TU 20.17.10-213-05766801-2019

“A” or “B” letter is added to the name of grade depending on type of functionalizer. Rubber functionalization provides better processability of rubber compounds and excellent performance properties of tires.

Product Characteristics

Property	Value by grade			Test method
	SSBR-621	SSBR-628	SSBR-610	
1. Mooney Viscosity ML 1+4 (100°C), units of Mooney, within the range	55-75	65-85	70-90	para. 4.2 of TU or ASTM D 1646
2. Viscosity spread in a lot, units of Mooney, max	6	6	6	para. 4.2 of TU
3. Ash, % wt, max	0.30	0.30	0.30	para. 4.3 of TU or ASTM D 5667
4. Loss on drying, %, max.	0.80	0.80	0.80	para. 4.4 of TU or ASTM D 5668
5. 1,2-units (in butadiene portion), % wt, within	57-67	54-64	37-47	para. 4.5 of TU or ISO 21561-2
6. Bound styrene, % wt, within	18-24	24-30	7-13	para. 4.5 of TU or ISO 21561-2
7. Non-staining Antioxidant, % wt, min	0.10	0.10	0.10	para. 4.6 of TU

Product form:

30 ± 1 kg bales

Packaging:

Polyethylene film or EVA film (either marked, or non-marked) may be used for bales packaging. Polystyrene film for ABS-plastics.

Pallet box, polymer or metal container with PE film or PE liner inside.

Transportation:

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

Storage:

Rubber, packed in pallet boxes, shall be stored in maximum 3 level stacks.

Keep the product protected from contamination, away from direct sunlight and precipitation.

Guaranteed 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 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.