NBR 2645
Acrylonitrile-butadiene rubber

► **NBR 2645 is essentially an acrylonitrile (27-30%) and 1,3-butadiene copolymer obtained by emulsion polymerization method with the use of fatty acid soaps as emulsifier in accordance with the ecologically clean technology. Medium content of acrylonitrile, heightened oil resistance.**

► **Product characteristics: appearance – bales from light-yellow to pink or light-beige color; weight of a bale 30 ± 0,5 kg;**

► **Shelf life is 1 year since the date of manufacture. Storage conditions: at the temperature not higher than 30 °C, in place protected from direct sunlight and atmospheric precipitation.**

►**Package: plywood 1,26 mt or plastic container 0,54 mt.**

Parameter	*NBR 2645*	*Test method*
Mooney viscosity MML 1+4 (100 °C)	42-48	ASTM D 1646
Volatile matter content, wt %	≤ 0,8	ASTM D 5668
Ash content, wt %	≤ 0,5	ASTM D 5667
Acrylonitrile content, wt %	27-30	method of supplier
ASTM D 3187 (method A), 145 ºC × 50 min		
Tensile stress at 300 % elongation, MPa	≥ 8,8	ASTM D412
Tensile strength, MPa	≥ 22,5	ASTM D412
Ultimate elongation, %	≥ 450	ASTM D412
Curing characteristics of rubber compound Rheometer MDR 2000, measurement conditions: 160 °C, deformation of 0.5°, MH at 30 min		
Minimum torque (ML), dNm	0,9-2,1	ASTM D 5289
Maximum torque (MH), dNm	11,6-15,8	ASTM D 5289
Scorching time (ts1), min	2,0-4,6	ASTM D 5289
Time to 50% of full cure (t 50), min	3,3-6,1	ASTM D 5289
Time to 90% of full cure (t 90), min	10,8-16,2	ASTM D 5289

These figures are only intended as a guide and should not be used in preparing specifications.

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