

**OIL-EXTENDED BUTADIENE-STYRENE RUBBERS
SBR 1712**

Rubber SBR 1712 is produced by co-polymerizing of butadiene with styrene and butadiene, in emulsion at a temperature of 5°C, using a mixture of rosin and synthetic-acid soaps as an emulsifier. Rubber is precipitated from latex by salt and acid techniques.

BASIC SPECIFICATIONS

Chemical	
Oil, %	26.0-29.5
Free organic acids, %	3.9-5.7
Combined organic acids, %	Max. 0.3
Antioxidant, %	1.3-2.1
Ash, %	Max. 0.6
Weight losses at 105°C	Max. 0.4
Iron, %	Max. 0.006
Copper, %	Max. .0.0002
Bound styrene, %	22-24
Physical	
Mooney viscosity (ML 1+4@100°C)	45-55
Hardness, gf	600-800
Recovery, mm	Max. 3.4
Tensile strength at break, kgf/cm ²	Min. 220
Elongation at break, %	Min. 550
Permanent set, %	Max. 20
Resilience, %	Min. 28

Test recipe for assessing the physical properties of the rubber

	Parts by weight
Rubber SBR 1712	100.0
Gas channel black	10.0
Zinc oxide	5.0
2,2'-benzothiazolyl disulphide	2.75
Sulphur	2.0

Packing

30 kg paper bags, loose sacks or wooden pallets each 0.45 Mt/ 0.50 Mt N.W / G.W.

This specification refers to product from polymerization units in Russia.

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