

# SKS-30 ARKM-15

## SBR 1705 Oil-Extended Styrene Butadiene Rubber

### Description

SKS-30 ARKM-15 is an oil-extended styrene butadiene rubber. The rubber is produced by copolymerising butadiene with styrene monomer in emulsion at 5°C and by using a mixture of rosin and synthetic-acid soaps as emulsifier.

The rubber is precipitated from latex by salt and acid techniques.

SKS 30 ARKM-15 is a half-oil content SBR 1712. The necessary oil quantity is added while mixing.

### Packing

- 30 kg paper bags, loose sacks or wooden pallets (each 0.45/ 0.50 MT)

### Origin

Country: Russia

Note: The technical data listed in this publication are typical values. Therefore, there may be slight differences between the elements of a supplied product and the data.

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### Raw Polymer: Chemical Analysis

Property	Unit	Target
Oil	%	15 - 17
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

### Raw Polymer: Physical Properties

Property	Unit	Target
Mooney Viscosity*		45 - 55
Hardness	gf	600 - 800
Recovery	mm	max 3.4
Tensile Strength at break	kgf/cm <sup>l</sup>	min 220
Elongation at Break	%	min 550
Permanent Set	%	max 20
Resiliens	%	min 28

\* ML 1+4 (100°C)

### Test Recipe

Property	Parts by Weight
SBR 1705 Rubber	100.0
Gas Channel Black	10.0
Zinc Oxide	5.0
2,2'-Benzothiazoyl Disulphide	2.75
Sulphur	2.0