

# Technical Data Sheet

## Product: SBR-1705

In compliance with regulation (EC) № 1907/2006

### Description

The synthetic butadiene-alpha-methylstyrene (styrene) rubber is produced by emulsion copolymerization of butadiene with alpha-methylstyrene (styrene) at low temperatures with an emulsifier. VS-1 is used as an antioxidant. The SBR-1705 is an oil-extended rubber filled with the oil PN-6 (DAE type oil).

### Applications

The SBR-1705 is a general-purpose rubber and it is widely used in the tire industry, in mechanical rubber, footwear, cable, and other branches of industry.

### Specifications

Parameter	Value
Mooney viscosity MB 1+4 (100 °C)	45-54
Viscosity lot spread, max.	+/-4
Conditional tensile strength, MPa (kgf/cm <sup>2</sup> ), min.	24,5 (250)
Elongation at rupture, %	550 – 750
Rebound elasticity, %, min.	27
Mass fraction of ash, %, max.	0,6
Mass loss on drying, %, max.	0,4
Mass fraction of metals, %, max.	
• Cu	0,00015
• Fe	0,005
Mass fraction of the antioxidant VS-1, %	0,15 – 0,35
Mass fraction of organic acids, %	5,0 – 6,7
Mass fraction of organic acid soaps, %, max.	0,3
Mass fraction of the oil PN-6 (DAE type oil), %	14 – 17
Mass fraction of the second bound monomer, %	
• alphamethylstyrene	21 – 24
• styrene	22 – 25

### Packaging

The SBR-1705 is produced in the form of bales about 30 kg each, wrapped in polyethylene film. Packed in universal plywood containers (UPC). (See appendix)

### Storage and transportation

Rubber is stored indoors at a temperature not higher than +30 °C. During storage, the rubber must be protected from contamination, direct sunlight, and precipitation.



## Universal Plywood Container (UPC)

### Characteristics:

- The plywood box is equipped with a laminated polypropylene fabric cover for cargo safety;
- The box is folding with a removable wall for easy unloading;
- Metal elements ensure container durability;
- The box is assembled manually without the need to use auxiliary materials or tools.

### Parameters:

**Tare Weight:** 70 kg ( $\pm$  5 kg)

**Net weight:** 1,260 kg (42 briquettes)

**Gross Weight:** 1,330 kg (42 briquettes)

