

Technical Data Sheet

SBR 1712

Styrene Butadiene Rubber (SBR)

Styrene-Butadiene Rubber “SBR 1712” is produced by a technology of cold emulsion copolymerization based on soaps of rosin and fatty acids and contains 23.5% of chemically bonded styrene and extended with 37.5 parts highly aromatic oil. It is coagulated by a system of acid and synthetic coagulant. The rubber is protected by stabilizer system. Raw materials for this product are carefully chosen for the best physical properties.

1712 has very good properties such as processability, abrasion resistance, less tendency to scorching processing.

Applications

Application possibilities for 1712 include tire and mechanical goods compounds where color and staining are not decisive factors.

Properties ¹	Units	Value	Test Method
Raw Mooney viscosity	MU	42-52	ASTM D1646
Volatile Matter	% wt.	<0.75	ASTM D5668
Ash Content	% wt.	<1	ASTM D5667
Organic Acids	% wt.	3.9-5.7	ASTM D5774
Soaps	% wt.	<0.5	ASTM D5774
Bounded Styrene	% wt.	22.5 – 24.5	ASTM D5775
Oil Content	% wt.	25.8-28.8	ASTM D5775
Compound Mooney viscosity ²	MU	<62	ASTM D1646
Tensile strength (35 min cured) ²	kg/cm ²	>200	ASTM D412
Ultimate elongation (35 min cured) ²	%	>530	ASTM D412
300% Modulus (35 min cured) ²	kg/cm ²	79-109	ASTM D412

1- The above data is only a typical value and to each shipping lot /delivery a quality certificate including data on properties of the product determined during release control is issued. Scope of the testing which is covered by the quality certificate is each time agreed upon in the sales contract.

2-Compounding according ASTM D-3182 & D-3185