

Technical Datasheet

TJPC 1712

1) General Information:

Styrene-Butadiene Rubber “TJPC1712” 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.

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

2) Application:

Application possibilities for TJPC1712 include tire and mechanical goods compounds where color and staining are not decisive factors.

3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Mooney viscosity (ML 1+4@ 100°C)	ASTM D1646	MU	42-52
Mooney viscosity (ML 1+4@ 100°C) ²	ASTM D1646	MU	≤62
Volatile matters	ASTM D5668	%wt.	≤0.75
Total ash	ASTM D5667	%wt.	≤1.5
Organic acids	ASTM D5774	%wt.	3.9-5.7
Soaps	ASTM D5774	%wt.	≤0.5
Bounded styrene	ASTM D5775	%wt.	22.5-24.5
Oil content	ASTM D 1416	%wt.	25.8-28.8
Tensile strength (35 min cured) ²	ASTM D 412	Kg/cm ²	≥200
Ultimate elongation (35 min cured) ²	ASTM D 412	%	≥530
300 % Modulus (35 min cured) ²	ASTM D 412	Kg/cm ²	79-109