

Technical Datasheet

TJPC 1500

1) General Information:

Styrene-Butadiene Rubber “TJPC1500” 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. It is coagulated by a system of acid and synthetic coagulant and stabilized by a staining antioxidant.

TJPC® 1500 has very good properties such as process ability, abrasion resistance, and fewer tendencies to scorching.

2) Application:

TJPC1500 is appropriate for rubber compounds used in the production of car tires, conveyor belts, footwear, cables, hosepipes and various technical rubber articles.

3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Mooney viscosity (ML 1+4@ 100°C)	ASTM D1646	MU	46-58
Mooney viscosity (ML 1+4@ 100°C) ²	ASTM D1646	MU	<84
Volatile matters	ASTM D5668	%wt.	<0.75
Total ash	ASTM D5667	%wt.	<1.5
Organic acids	ASTM D5774	%wt.	4.75-7.5
Soaps	ASTM D5774	%wt.	<0.5
Bounded styrene	ASTM D5775	%wt.	22.5-24.5
Tensile strength (35 min cured) ²	ASTM D412	Kg/cm ²	>250
Ultimate elongation (35 min cured) ²	ASTM D412	%	>470
300 % Modulus (35 min cured) ²	ASTM D412	Kg/cm ²	119-159