

# Technical Datasheet

## TJPC 1502

### 1) General Information:

Styrene-Butadiene Rubber “TJPC1502” 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 non-staining antioxidant.

TJPC® 1502 has very good properties such as processability, abrasion resistance, less tendency to scorching.

### 2) Application:

TJPC1500 is appropriate for rubber compounds used in the production of tire sidewall, floor coverings, bicycle tires, footwear, children toys, cables, hosepipes and various rubber articles having light colour shades.

### 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) <sup>2</sup>	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) <sup>2</sup>	ASTM D412	Kg/cm <sup>2</sup>	>250
Ultimate elongation (35 min cured) <sup>2</sup>	ASTM D412	%	>350
300 % Modulus (35 min cured) <sup>2</sup>	ASTM D412	Kg/cm <sup>2</sup>	167-207

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