

# Emulprene® 1712

Emulsion Styrene Butadiene Rubber

INSA

## Message:

E1712 is a copolymer styrene-butadiene cold emulsion polymerized used fatty acid as emulsifier, coagulated by salt-acid system and it is extended utilizing aromatic oil.

## Applications:

E1712 is used in tire formulations and in a variety of industrial products due to its excellent adhesion and processing properties.

General Information			
Features	Good Adhesion		
	Good Processability		
Uses	Industrial Applications		
	Tires		
Physical	Nominal Value	Unit	Test Method
Mooney Viscosity			ASTM D1646
ML 1+4, 100°C <sup>1</sup>	< 70	MU	
ML 1+4, 100°C	43 to 49	MU	
Bound Styrene	22.5 to 24.5	%	ASTM D5775
Ash Content	0.0 to 0.10	%	ASTM D5667
Oil Content - Aromatic	26 to 29	%	ASTM D5775
Organic Acid	> 4.2	%	ASTM D5774
Soap	0.0 to 0.50	%	ASTM D5774
Volatile Matter	0.0 to 0.70	%	ASTM D5668
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D3185
--	> 19.0	MPa	
300% Strain	9.00 to 12.2	MPa	
Tensile Elongation (Break)	> 460	%	ASTM D3185
NOTE			
1.	*Compound		

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