

# Emulprene® 10101A

Emulsion Styrene Butadiene Rubber

INSA

## Message:

**Description:**  
E10101A is a cross-linked emulsion styrene-butadiene copolymer with divinyl benzene, using a mix of rosin and fatty acid as emulsifier. It is coagulated with Aluminum-acid and stabilized with a non-staining antioxidant. It is produced in accordance with good manufacturing practices and complies with FDA 21 CFR §175.300, §177.1210 and §178.3910 for use in food contact applications.

**Applications:**  
E10101A gives excellent dimensional stability to compounds, reduces die swell and shrinkage in extruded products. It is also recommended for improving cohesive strength in adhesives and sealants which will be in contact with food or beverages.

General Information	
Features	Antioxidant
	Copolymer
	Food Contact Acceptable
	Good Adhesion
	Good Dimensional Stability
	Stain Resistant
Uses	Adhesives
	Non-specific Food Applications
Agency Ratings	FDA 21 CFR 175.300
	FDA 21 CFR 177.1210
	FDA 21 CFR 178.3910

Physical	Nominal Value	Unit	Test Method
Mooney Viscosity (ML 1+4, 100°C)	115	MU	ASTM D1646
Ash Content	< 0.80	%	ASTM D5667
Organic Acid	4.3 to 6.3	%	ASTM D5774
Shrinkage	< 15	%	ASTM D1917
Soap	< 0.30	%	ASTM D5774
Styrene Content - Bound	42 to 45	%	ASTM D5775
Volatile Matter	< 0.80	%	ASTM D5668
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	13.1	MPa	ASTM D3185
Tensile Strength	15.9	MPa	ASTM D3185
Tensile Elongation (Break)	360	%	ASTM D3185

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Recommended distributors for this material

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