

# Solprene® 1205

Solution Styrene Butadiene Rubber

Dynasol Elastomers

## Message:

Solprene1205 is a linear random-block styrene/butadiene copolymer having 25% of styrene content, 17.5% present as a polystyrene block. It has a non-staining antioxidant system; FDA approved for use in food contact applications and is essentially gel free with a very clear color. Solprene 1205 is an excellent modifier for asphalt, for formulation of caulks and sealants; it is also an excellent processing aid for most polymers, giving good low temperature resistance. Used in extruded goods, soles, and heels. It can also be used as modifier for thermoplastic resins and in adhesive formulations. It is available in bales wrapped in low melting point polyethylene.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	High Clarity		
	Linear Polymer Structure		
	Low Gel		
	Low Temperature Resistant		
Uses	Random Copolymer		
	Adhesives		
	Asphalt Modification		
	Footwear		
Agency Ratings	Plastics Modification		
	FDA Food Contact, Unspecified Rating		
	Clear/Transparent		
	Bale		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.928	g/cm <sup>3</sup>	DIN 53479
Mooney Viscosity (ML 1+4, 100°C)	47	MU	ASTM D1646
Block Styrene <sup>1</sup>	18	%	
Color - Apha <sup>2</sup>	< 15		
Solution Viscosity - 30% in toluene <sup>3</sup>	4.0	Pa · s	
Styrene Content	25	%	ASTM D5775
Volatile Matter	< 0.75	%	ASTM D5668
Insolubles <sup>4</sup>	< 0.10	%	
NOTE			
1.	NM 202-07		
2.	NM 300-33		

3.	NM 300-18
4.	NM 300-15

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