

## Dynasol Solprene® 375 Solution Random SBR

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

**Material Notes:**

Solprene 375 is a tin coupled, random styrene-butadiene copolymer with 24% styrene content. It is extended with naphthenic oil. S-375 is used as ingredient in compounds for battery cases, tires, cables, vulcanized shoe soles and industrial rubber goods. It can replace SBR 1778 types. The bales are wrapped in low melting point polyethylene film. Information provided by Dynasol.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dynasol-Solprene-375-Solution-Random-SBR.php](http://www.lookpolymers.com/polymer_Dynasol-Solprene-375-Solution-Random-SBR.php)

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in <sup>3</sup>	DIN 53479
Mooney Viscosity	46	46	ML 1+4; ASTM D1646
	@Temperature 100 °C	@Temperature 212 °F	
	<= 80	<= 80	Compounded, ML 1+4; ASTM D1646
	@Temperature 100 °C	@Temperature 212 °F	
Ash	<= 0.20 %	<= 0.20 %	ASTM D1416
Collected Volatile Condensable Material	<= 0.75 %	<= 0.75 %	ASTM D1416

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 12.6 MPa	>= 1830 psi	Compounded, 35 mins.; ASTM D3185
Elongation at Break	>= 450 %	>= 450 %	Compounded; ASTM D3185
300% Modulus	0.00950 GPa	1.38 ksi	Compounded, 35 mins.; ASTM D3185

Descriptive Properties	Value	Comments
Antioxidant Content	0.4 %	NM 300-52
Free Soap	Max 0.03 %	ASTM D1416
Naphthenic Oil	37.5 phr	NM 300-42
Organic Acid	Max 0.03 %	ASTM D1416
Styrene Content	24 %	NM 202-27

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