

Dynasol Calprene® 375 Solution Random SBR

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

Material Notes:

Calprene 375 is a Butadiene/Styrene Copolymer, polymerized in solution. It has a random structure with a typical vinyl content of 30%, and is extended with 37.5 phr of naphthenic oil. C-375 is used as ingredient in compounds for battery cases, tires, cables, vulcanized shoe soles and industrial rubber goods. It can replace SBR 1707, 1708, 1778 types. The bales are wrapped in low melting point polyethylene film. Applications: TiresFootwearMechanical rubber goodsCompound Test Recipe: ISO-2322 (A)Information provided by Dynasol.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dynasol-Calprene-375-Solution-Random-SBR.php

Physical Properties	Metric	English	Comments
Mooney Viscosity	75	75	Compounded, ML 1+4; ASTM D1646
	47	47	ML 1+4; ASTM D1646
	@Temperature 100 °C	@Temperature 212 °F	
Ash	<= 0.20 %	<= 0.20 %	ASTM D5667
Collected Volatile Condensable Material	0.70 %	0.70 %	ASTM D5668

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	16.0 MPa	2320 psi	Compounded, 35 mins.; ISO 37
Elongation at Break	460 %	460 %	Compounded, 35 mins.; ISO 37
300% Modulus	0.0110 GPa	1.60 ksi	Compounded, 35 mins.; ISO 37

Descriptive Properties	Value	Comments
Hunterlab Color	28	ASTM D1925-70
Oil	27 %	ASTM D5774
Total Styrene (on polymer)	25 %	ASTM D5775

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