

Dynasol Solprene® 233 Medium CIS Polybutadiene

Category : Polymer , Thermoset

Material Notes:

Solprene 233 is a medium cis polybutadiene used in applications where good performance at low temperatures and excellent abrasion resistance are needed. It is designed for critical processing applications with enhanced mixing and processability. It is packaged in bales wrapped with low melting point polyethylene film. Information provided by Dynasol.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dynasol-Solprene-233-Medium-CIS-Polybutadiene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	DIN 53479
Mooney Viscosity	35	35	ML 1+4; ASTM D1646
	@Temperature 100 °C	@Temperature 212 °F	
	<= 75	<= 75	Compounded, ML 1+4; ASTM D1646
	@Temperature 100 °C	@Temperature 212 °F	
Ash	<= 0.25 %	<= 0.25 %	ASTM D1416
Collected Volatile Condensable Material	<= 1.0 %	<= 1.0 %	ASTM D1416

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 11.0 MPa	>= 1600 psi	Compounded, 35 mins.; ASTM D3185
Elongation at Break	>= 360 %	>= 360 %	Compounded; ASTM D3185
300% Modulus	0.00800 GPa	1.16 ksi	Compounded, 35 mins.; ASTM D3185

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-92.0 °C	-134 °F	NM 300-58

Descriptive Properties	Value	Comments
Antioxidant Content	0.2 %	NM 300-52
Color	Max 3	NM 300-39
Free Soap	Max 0.03 %	ASTM D1416
Organic Acid	Max 0.03 %	ASTM D1416

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