

DuPont Vamac® DP 4.5 phr Peroxide Test Compound

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

Material Notes:

Vamac® DP is an ethylene acrylic dipolymer elastomer. Its general performance characteristics are similar to those of the Vamac® terpolymers, including: Good oil and chemical resistance High temperature resistance Good compression set resistance Good low temperature flexibility Unlike Vamac® terpolymers, Vamac® DP dipolymer can be processed without a post cure. Form: Bale size is nominally: 560 mm x 370 mm by 165 mm Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Vamac-DP-45-phr-Peroxide-Test-Compound.php

Physical Properties	Metric	English	Comments
Mooney Viscosity	50 @Temperature 100 °C	50 @Temperature 212 °F	ML(1+4), mu

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	67	67	Cured 10 minutes at 180°C
Tensile Strength, Ultimate	16.9 MPa	2450 psi	Cured 10 minutes at 180°C
Elongation at Break	232 %	232 %	Cured 10 minutes at 180°C
100% Modulus	0.00670 GPa	0.972 ksi	Cured 10 minutes at 180°C
Compression Set	47.5 %	47.5 %	168 hrs at 150°C

Descriptive Properties	Value	Comments
Armeen® 18D	0.5 phr	
HVA® #2 coagent	2 phr	
Mooney Scorch at 135°C, Minimum Viscosity	12.9	Mooney units
Mooney Scorch at 135°C, t10	13.8 metric minutes	Time for 10 unit rise
Mooney Scorch at 135°C, t3	9.5 metric minutes	Time for 3 unit rise
N550 Black	55 phr	
Naugard® 445 antioxidant	1 phr	
Stearic Acid	0.5 phr	
Vamac® DP	100 phr	
Vanfre® VAM	1.25 phr	

Descriptive Properties

Value

Comments

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