

DuPont Vamac® DP Activator OC Coagent 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-Activator-OC-Coagent-Test-Compound.php

Physical Properties	Metric	English	Comments
Mooney Viscosity	41.7	41.7	ML(1+4), mu
	@Temperature 100 °C	@Temperature 212 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	58	58	Cecilia 20 aged 168 hrs at 175°C
	72	72	Press-cured 5 minutes at 190°C
	82	82	Heat aged 2 weeks at 175°C
Tensile Strength, Ultimate	11.7 MPa	1700 psi	Cecilia 20 aged 168 hrs at 175°C
	12.5 MPa	1810 psi	Heat aged 2 weeks at 175°C
	14.9 MPa	2160 psi	Press-cured 5 minutes at 190°C
Elongation at Break	187 %	187 %	Heat aged 2 weeks at 175°C
	195 %	195 %	Press-cured 5 minutes at 190°C
	252 %	252 %	Cecilia 20 aged 168 hrs at 175°C
100% Modulus	0.00400 GPa	0.580 ksi	Cecilia 20 aged 168 hrs at 175°C
	0.00740 GPa	1.07 ksi	Press-cured 5 minutes at 190°C
	0.00770 GPa	1.12 ksi	Heat aged 2 weeks at 175°C
Tear Strength	7.00 kN/m	39.9 pli	Trouser, Press-cured 5 minutes at 190°C; DIN 53508
	19.8 kN/m	113 pli	Press-cured 5 minutes at 190°C; ISO 34
Compression Set	36 %	36 %	70 hrs at 150°C
	73 %	73 %	22 hrs at 150°C; VW PV 3307

Mechanical Properties	Metric	English	Comments
Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-31.2 °C	-24.2 °F	By DSC

Descriptive Properties	Value	Comments
Activator OC(TAC)	2 phr	
Armeen® 18D	0.5 phr	
Bisoflex T810T	5 phr	
Change in Volume	14 %	Cecilia 20 aged 168 hrs at 175°C
Change in Weight	9 %	Cecilia 20 aged 168 hrs at 175°C
Mooney Scorch at 121°C, t5	31.9 metric minutes	Time for 5 unit rise
Naugard® 445 antioxidant	1 phr	
Perkadox 14/41	5 phr	
Stearic Acid	1.5 phr	
Sterling SO-N550 black	65 phr	
Vamac® DP	100 phr	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China