

## DuPont Vamac® DP 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-Test-Compound.php](http://www.lookpolymers.com/polymer_DuPont-Vamac-DP-Test-Compound.php)

Physical Properties	Metric	English	Comments
Mooney Viscosity	43.6 @Temperature 100 °C	43.6 @Temperature 212 °F	ML(1+4), mu; ASTM D1646

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	64	64	No Scale (Assumed Shore A); ASTM D2240
Tensile Strength, Ultimate	18.2 MPa	2640 psi	ASTM D412
Elongation at Break	208 %	208 %	ASTM D412
100% Modulus	0.00720 GPa	1.04 ksi	ASTM D412
Compression Set	21.5 %	21.5 %	72 hrs at 150°C; ASTM D395
	23 %	23 %	168 hrs at 150°C; ASTM D395
	43.4 %	43.4 %	1008 hrs at 150°C; ASTM D395

Descriptive Properties	Value	Comments
Armeen® 18D	0.5 phr	
HVA® #2 coagent	2 phr	
Mooney Scorch at 135°C, Minimum Viscosity	11.6	Mooney units
Mooney Scorch at 135°C, t10	11.3 minutes	Time for 10 unit rise
Mooney Scorch at 135°C, t3	8.2 minutes	Time for 3 unit rise
N550 Black	55 phr	
Naugard® 445 antioxidant	1 phr	
Stearic Acid	0.5 phr	

Descriptive Properties	Value	Comments
Vanfre® VAM	1.25 phr	
Vulcup® 40LE peroxide	5.5 phr	

## Contact Songhan Plastic Technology Co.,Ltd.

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