

## DuPont Vamac® DP DIAK No. 7 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-DIAK-No-7-Coagent-Test-Compound.php](http://www.lookpolymers.com/polymer_DuPont-Vamac-DP-DIAK-No-7-Coagent-Test-Compound.php)

Physical Properties	Metric	English	Comments
Mooney Viscosity	43	43	ML(1+4), mu
	@Temperature 100 °C	@Temperature 212 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	61	61	Cecilia 20 aged 168 hrs at 175°C
	71	71	Press-cured 5 minutes at 190°C
	81	81	Heat aged 2 weeks at 175°C
Tensile Strength, Ultimate	12.7 MPa	1840 psi	Cecilia 20 aged 168 hrs at 175°C
	13.0 MPa	1890 psi	Heat aged 2 weeks at 175°C
	14.7 MPa	2130 psi	Press-cured 5 minutes at 190°C
Elongation at Break	183 %	183 %	Heat aged 2 weeks at 175°C
	191 %	191 %	Cecilia 20 aged 168 hrs at 175°C
	214 %	214 %	Press-cured 5 minutes at 190°C
100% Modulus	0.00550 GPa	0.798 ksi	Cecilia 20 aged 168 hrs at 175°C
	0.00700 GPa	1.02 ksi	Press-cured 5 minutes at 190°C
	0.00790 GPa	1.15 ksi	Heat aged 2 weeks at 175°C
Tear Strength	5.30 kN/m	30.2 pli	Trouser, Press-cured 5 minutes at 190°C; DIN 53508
	21.4 kN/m	122 pli	Press-cured 5 minutes at 190°C; ISO 34
Compression Set	32 %	32 %	70 hrs at 150°C
	75 %	75 %	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
Armeen® 18D	0.5 phr	
Bisoflex T810T	5 phr	
Change in Volume	13 %	Cecilia 20 aged 168 hrs at 175°C
Change in Weight	9 %	Cecilia 20 aged 168 hrs at 175°C
DIAK No. 7(TIAC)	2 phr	
Mooney Scorch at 121°C, t5	14.6 metric minutes	Time for 5 unit rise
Naugard® 445 antioxidant	1 phr	
Perkadox 14/43	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](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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