

DuPont Vamac® GXF Sample Compound Vulcanizate Slab Cure (5 minutes at 190°C) Without Armeen® 18D

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

Material Notes:

Test slab is cured for 5 minutes at 190°C and post cured for 4hrs at 175°C. Vulcanizate performance test data can help end-users evaluate the potential fitness of similar compounds for their own applications. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Vamac-GXF-Sample-Compound-Vulcanizate-Slab-Cure-5-minutes-at-190C-Without-Armeen-18D.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	71	71	
Tensile Strength, Ultimate	17.3 MPa	2510 psi	
Elongation at Break	349 %	349 %	
100% Modulus	0.00510 GPa	0.740 ksi	
Tear Strength	30.6 kN/m	175 pli	ISO 34
Compression Set	26.8 %	26.8 %	70 hrs at 150°C

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-27.2 °C	-17.0 °F	By DSC

Descriptive Properties	Value	Comments
DeMattia Dynamic Fatigue	Vamac® G failure cycles x 1.71	ASTM D430, At 100°C,
	Vamac® G failure cycles x 2.58	ASTM D430, At 150°C
Diak No. 1	1.5 parts	
DOTG Coaccelerator	4 parts	
FEF Black(N550)	50 parts	
Mooney Scorch at 121°C, t5	11.17 minutes	Time for 5 unit rise
Naugard® 445 antioxidant	2 parts	

Descriptive Properties	Value	Comments
Vamac® GXF	100 parts	
Vanfre® VAM	1 part	
Volume Swell	0.267	Immersed 70 hrs in IRM903 Oil at 150°C

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