

## Chemours Viton® GF-600S with 3phr, 802-40KE Fluoroelastomer Compound

Category : Polymer , Thermoset , Fluoropolymer, TS , Thermoset Fluoroelastomer , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

Cures exceptionally fast to a high state of cure Exhibits improved mold release/mold fouling properties compared to Viton® GF Exhibits improved mold flow, less shear sensitivity, and lower extruder die swell for a ~65 Mooney FKM Exhibits excellent physical properties with high elongation, both original and aged Exhibits similar heat, fluids, and low temperature resistance compared to Viton® GF Exhibits excellent compression set resistance with short (2 hr) or no postcure Chemours was formed from former DuPont performance chemicals businesses, including the Viton product line, in 2015.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chemours-Viton-GF-600S-with-3phr-802-40KE-Fluoroelastomer-Compound.php](http://www.lookpolymers.com/polymer_Chemours-Viton-GF-600S-with-3phr-802-40KE-Fluoroelastomer-Compound.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	72	72	No Postcure; ASTM D2240
	75	75	2 hours Postcure; ASTM D2240
Tensile Strength at Break	16.1 MPa	2340 psi	No Postcure; ASTM D412
	21.5 MPa	3120 psi	2 hours Postcure; ASTM D412
Tensile Strength, Yield	0.800 MPa @Strain 10.0 %	116 psi @Strain 10.0 %	No Postcure; ASTM D412
	1.00 MPa @Strain 10.0 %	145 psi @Strain 10.0 %	2 hours Postcure; ASTM D412
Elongation at Break	266 %	266 %	2 hours Postcure; ASTM D412
	280 %	280 %	No Postcure; ASTM D412
100% Modulus	0.00520 GPa	0.754 ksi	No Postcure; ASTM D412
	0.00700 GPa	1.02 ksi	2 hours Postcure; ASTM D412
Compression Set	14 % @Temperature 200 °C, Time 79200 sec	14 % @Temperature 392 °F, Time 22.0 hour	O-Rings, no postcure; ASTM D1414
	14 % @Temperature 200 °C, Time 79200 sec	14 % @Temperature 392 °F, Time 22.0 hour	O-Rings, postcured; ASTM D1414
	21 % @Temperature 200 °C, Time 252000 sec	21 % @Temperature 392 °F, Time 70.0 hour	O-Rings, postcured; ASTM D1414
	23 %	23 %	

Mechanical Properties	Metric	English	Comments
	@ Temperature 200 °C, Time 252000 sec	@ Temperature 392 °F, Time 70.0 hour	Diagnose postcure; ASTM D1414

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-5.50 °C	22.1 °F	

Component Elements Properties	Metric	English	Comments
Fluorine, F	70 %	70 %	Uncompounded Viton

Processing Properties	Metric	English	Comments
Processing Temperature	177 °C	351 °F	Cure
	@Time 421 sec	@Time 0.117 hour	
	232 °C	450 °F	Postcure
	@Time 7200 sec	@Time 2.00 hour	

Descriptive Properties	Value	Comments
Compound Number	A08-05	
Formulation as Tested	100	GF-600S
	3	Diak 7 (TAIC)
	3	Zinc Oxide
	30	MT Black

## Contact Songhan Plastic Technology Co.,Ltd.

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