

## Chemours Viton® GFLT-600S with MgO/ZnO 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 Similar to improved low temperature properties compared to Viton® GFLT Improved mold release/mold fouling properties Improved mold flow and less shear sensitivity for a 65 Mooney peroxy cured FKM Excellent physical properties with high elongation, both original and aged Heat, fluids, and low temperature resistance comparable to Viton® GFLT Improved water resistance/lower volume swell in water Excellent compression set resistance with either low 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-GFLT-600S-with-MgOZnO-Fluoroelastomer-Compound.php](http://www.lookpolymers.com/polymer_Chemours-Viton-GFLT-600S-with-MgOZnO-Fluoroelastomer-Compound.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	68	68	No Postcure; ASTM D1414
	69	69	2 hours Postcure; ASTM D1414
	71	71	4 hours Postcure; ASTM D1414
Tensile Strength at Break	13.6 MPa	1970 psi	No Postcure; ASTM D412
	16.8 MPa	2440 psi	4 hours Postcure; ASTM D412
	17.0 MPa	2470 psi	2 hours Postcure; ASTM D412
Tensile Strength, Yield	0.800 MPa	116 psi	4 hours Postcure; ASTM D412
	@Strain 10.0 %	@Strain 10.0 %	
	0.800 MPa	116 psi	No Postcure; ASTM D412
	@Strain 10.0 %	@Strain 10.0 %	
	0.900 MPa	131 psi	2 hours Postcure; ASTM D412
	@Strain 10.0 %	@Strain 10.0 %	
Elongation at Break	196 %	196 %	No Postcure; ASTM D412
	199 %	199 %	2 hours Postcure; ASTM D412
	200 %	200 %	4 hours Postcure; ASTM D412
100% Modulus	0.00540 GPa	0.783 ksi	No Postcure; ASTM D412
	0.00630 GPa	0.914 ksi	4 hours Postcure; ASTM D412
	0.00640 GPa	0.928 ksi	2 hours Postcure; ASTM D412
Compression Set	11 %	11 %	O-Rings, postcured 2hrs; ASTM

Mechanical Properties	Metric @Temperature 200 °C, Time 79200 sec	English @Temperature 392 °F, Time 22.0 hour	D395B Comments
	13 %	13 %	
	@Temperature 200 °C, Time 79200 sec	@Temperature 392 °F, Time 22.0 hour	O-Rings, no postcure; ASTM D395B
	14 %	14 %	
	@Temperature 200 °C, Time 252000 sec	@Temperature 392 °F, Time 70.0 hour	O-Rings no postcure; ASTM D395B
	16 %	16 %	
	@Temperature 200 °C, Time 252000 sec	@Temperature 392 °F, Time 70.0 hour	O-Rings, postcured 2hrs; ASTM D395B

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-25.5 °C	-13.9 °F	2 hours Postcure

Component Elements Properties	Metric	English	Comments
Fluorine, F	67 %	67 %	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 - 14400 sec	@Time 2.00 - 4.00 hour	

Descriptive Properties	Value	Comments
Compound Number	A44-06	
Formulation as Tested	100	GFLT-600S
	2	Varox® DBPH-50
	3	MgO/ZnO
	3	Diak 7 (TAIC)
	30	MT Black

Contact Songhan Plastic Technology Co.,Ltd.

Website : 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