

DuPont Performance Polymers VTR 8650 (GBL-S) Peroxide Cured Fluoroelastomer (FKM) Formulation

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

Material Notes:

FormulationVTR 8650

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-VTR-8650-GBL-S-Peroxide-Cured-Fluoroelastomer-FKM-Formulation.php

Physical Properties	Metric	English	Comments
Mooney Viscosity	60 @Temperature 121 °C	60 @Temperature 250 °F	ML-10 (gum)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	69	69	Cured 7 min at 177°C and Post Cured 2 hr at 232°C
Tensile Strength, Ultimate	21.5 MPa	3120 psi	Cured 7 min at 177°C and Post Cured 2 hr at 232°C
Elongation at Break	318 %	318 %	Cured 7 min at 177°C and Post Cured 2 hr at 232°C
Modulus of Elasticity	0.000600 GPa	0.0870 ksi	10% Modulus, Cured 7 min at 177°C and Post Cured 2 hr at 232°C
100% Modulus	0.00410 GPa	0.595 ksi	Cured 7 min at 177°C and Post Cured 2 hr at 232°C
Compression Set	15 % @Temperature 200 °C	15 % @Temperature 392 °F	Method B, O-rings 22 hr at 200°C (Post Cured 2 hr at 232°C)

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-17.0 °C	1.40 °F	DSC, modulated, midpoint

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