

3M Dyneon™ Fluorel™ FX-11818 Fluoroelastomer VF2 + HFP + TFE Terpolymer (discontinued **)

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

Material Notes:

Data provided by the manufacturer, Dyneon LLC. Incorporated cure polymer, 68.6%F in polymer with 22% Medium Thermal Carbon Black (N990), 2% MgO, and 4% Ca(OH)₂. 68.6% F grade terpolymer for difficult extrusions. Suggested alternative: FE-5730Q or FE-5830Q. Used in Hose/Extrusion Applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-Fluorel-FX-11818-Fluoroelastomer-VF2-HFP-TFE-Terpolymer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in ³	
Mooney Viscosity	28 @Temperature 121 °C	28 @Temperature 250 °F	ML1+10

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	74	74	
Tensile Strength, Ultimate	12.0 MPa	1740 psi	
Tensile Strength, Yield	3.40 MPa	493 psi	M100
Elongation at Break	290 %	290 %	
Coefficient of Friction, Dynamic	0.80	0.80	
Compression Set	34 % @Temperature 200 °C	34 % @Temperature 392 °F	70 hr; ASTM D395B

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-14.0 °C	6.80 °F	TR10

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