

3M Dyneon™ Fluorel™ FE-5730Q 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, 69.2%F in polymer with 22% Medium Thermal Carbon Black (N990), 2% MgO, and 4% Ca(OH)₂. 69.2% F grade terpolymer with good permeation resistance to auto fluids. Gives smooth extrudates without process aids. Can be compounded to pass -40°C mandrel flex test. Used in Hose/Extrusion Applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-Fluorel-FE-5730Q-Fluoroelastomer-VF2-HFP-TFE-Terpolymer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.86 g/cc	0.0672 lb/in ³	
Mooney Viscosity	32 @Temperature 121 °C	32 @Temperature 250 °F	ML1+10

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	71	71	
Tensile Strength, Ultimate	10.0 MPa	1450 psi	
Tensile Strength, Yield	2.60 MPa	377 psi	M100
Elongation at Break	330 %	330 %	
Coefficient of Friction, Dynamic	0.80	0.80	
Compression Set	45 % @Temperature 200 °C	45 % @Temperature 392 °F	70 hr; ASTM D395B

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-12.0 °C	10.4 °F	TR10

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