

3M Dyneon™ Fluorel II™ FX-11900 Fluoroelastomer (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, 59°F in polymer with 22% Medium Thermal Carbon Black (N990), 2% MgO, and 4% Ca(OH)₂. Excellent processability. Good metal adhesion. Used in Aggressive Oil/Coolant/Base Resistant Applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-Fluorel-II-FX-11900-Fluoroelastomer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	
Mooney Viscosity	32 @Temperature 121 °C	32 @Temperature 250 °F	ML1+10

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	74	74	
Tensile Strength, Ultimate	16.0 MPa	2320 psi	
Tensile Strength, Yield	5.90 MPa	856 psi	M100
Elongation at Break	220 %	220 %	
Coefficient of Friction, Dynamic	0.80	0.80	
Compression Set	43 % @Temperature 200 °C	43 % @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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