

3M Dyneon™ FC 2161X Fluoroelastomer (discontinued **)

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

Material Notes:

Composition: di-polymer of vinylidene fluoride and hexafluoropropyleneMedium viscosityProcess targets: compression and transfer molding, and calenderingProprietary incorporated cure technologyExcellent demolding of complex geometric profilesInformation provided by Dyneon, A 3M Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-FC-2161X-Fluoroelastomer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.80 g/cc	1.80 g/cc	
Mooney Viscosity	62 @Temperature 121 °C	62 @Temperature 250 °F	ML1+10

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	73	73	Press Cure 5 minutes @ 177°C, Post Cure 24 hours @ 260°C; ASTM D2240
Tensile Strength at Break	12.1 MPa	1750 psi	Press Cure 5 minutes @ 177°C, Post Cure 24 hours @ 260°C
Elongation at Break	370 %	370 %	Press Cure 5 minutes @ 177°C, Post Cure 24 hours @ 260°C; ASTM D4645
100% Modulus	0.00248 GPa	0.360 ksi	Press Cure 5 minutes @ 177°C, Post Cure 24 hours @ 260°C

Thermal Properties	Metric	English	Comments
Transformation Temperature	-18.0 °C	-0.400 °F	TR10; ASTM D1329

Component Elements Properties	Metric	English	Comments
Fluorine, F	65.9 %	65.9 %	

Descriptive Properties	Value	Comments
5`50, Time to 50% cure, minutes	0.9	177°C
Color	Opaque Off-White	
MH, Maximum Torque, inch-lb @ 177°C	8	
ML, Minimum Torque inch-lb @ 177°C	2.2	
Solubility	Ketones and Esters	

Descriptive Properties: @ 177°C - minutes	Value	Comments
ts2 - Time to 2 in-lb rise from min @ 177°C - min	0.8	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China