

Asahi Glass AFLAS® 150E TFE/P Fluoroelastomer

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

Material Notes:

AFLAS® 100/150 fluoroelastomers are alternating copolymers of tetrafluoroethylene and propylene. They offer 1) excellent heat resistance, 2) exceptional chemical resistance especially to bases and amines, and 3) high electrical resistivity. AFLAS® 100/150 are categorized by ASTM D 1418-01 as class FEPM. Information provided by Asahi Glass Company, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Asahi-Glass-AFLAS-150E-TFEP-Fluoroelastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.55 g/cc	1.55 g/cc	ASTM D792
Mooney Viscosity	60 @Temperature 100 °C	60 @Temperature 212 °F	ML1+10

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	71	71	
Tensile Strength at Break	14.7 MPa	2130 psi	ASTM D638
Elongation at Break	300 %	300 %	ASTM D638

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-3.00 °C	26.6 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.00e+16 ohm-cm	3.00e+16 ohm-cm	
Dielectric Strength	23.0 kV/mm	584 kV/in	ASTM D149

Descriptive Properties	Value	Comments
Fluorine Content %	57	

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