

Asahi Glass AFLAS® SZ TFE/P/VdF Fluoroelastomer

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

Material Notes:

AFLAS® SZ/SP are terpolymers containing tetrafluoroethylene, propylene, and a small amount of vinylidene fluoride used as a cure site monomer. This combination gives AFLAS® SZ/SP a good balance of chemical resistance and improved processability when compared to AFLAS® 100/150 dipolymers. AFLAS® SZ is bisphenol-cured, while AFLAS® SP is peroxide-cured. Both polymers are categorized in ASTM D 1481-01 as class FKM, type four. Information provided by Asahi Glass Company, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Asahi-Glass-AFLAS-SZ-TFEPVdF-Fluoroelastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.51 g/cc	1.51 g/cc	ASTM D792
Mooney Viscosity	67 @Temperature 100 °C	67 @Temperature 212 °F	ML1+10

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	74	74	
Tensile Strength at Break	19.6 MPa	2840 psi	ASTM D638
Elongation at Break	240 %	240 %	ASTM D638
Compression Set	35 % @Temperature 200 °C	35 % @Temperature 392 °F	70h

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

Descriptive Properties	Value	Comments
Fluorine Content %	55	

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