

Precision Polymer Engineering Kemex™ V96E

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

Material Notes:

Kemex™ ETP fluoroelastomer is a premium peroxide cured fluoroelastomer that exhibits improved fluid resistance over any FKM fluoroelastomer. It is designed for severe service applications, which require chemical resistance to strong bases and amines and good resistance to polar solvents. Kemex™ is based upon ETP terpolymer and is a new generation of fluoroelastomer consisting of ethylene, tetrafluoroethylene and perfluoromethylvinylether. Kemex™ bridges the gap between fluoroelastomers, Aflas® and Perlast® perfluoroelastomer. It provides the best chemical resistance of all fluoroelastomers and is available in a wide range of compounds. Kemex™ was originally developed for use in oil field applications, in contact with amines and sour oils. However, due to its excellent chemical resistance properties it is now widely used in the CPI industry due to its suitability for use with fuels with additives, spray coatings, alcohols and solvents such as toluene, ETBE and MTBE. Applications: Kemex™ has been specially developed for severe applications that require a combination of heat, fluid and base resistance combined with low temperature flexibility. Applications which Kemex™ exhibits excellent resistance include: Aliphatic and aromatic hydrocarbons; Hydraulic Fluids; Motor Oils; Fuels and alcohol. Kemex™ also shows good resistance to base containing fluids and polar solvents.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-Kemex-V96E.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	91	91	°IRHD; ASTM D1415
	92	92	°IRHD, +1 change after 72 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	18.4 MPa	2670 psi	ASTM D412
	18.584 MPa	2695.4 psi	1% change after 72 hours @ 250°C; ASTM D412
Elongation at Break	180 %	180 %	ASTM D412
Compression Set	20 %	20 %	ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	206 °C	403 °F	
Minimum Service Temperature, Air	-20.0 °C	-4.00 °F	

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