

Solvay Specialty Polymers Tecnoflon® PFR 95 Perfluoroelastomer

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

Material Notes:

Tecnoflon® PFR 95 is a perfluoroelastomer (FFKM) offering wide operational range and superior compression set resistance, thanks to its unique peroxide curing system that does not need any coagent (TAIC or equivalent) for curing to be carried out. Thanks to its curing system, it can offer a very broad chemical resistance in a wide variety of media including acids, caustics, ketones, aldehydes, esters, ethers, methanol, solvents, sour gases, hydrocarbons, steam, hot water and mixed process streams along with excellent thermal resistance. Tecnoflon® PFR 95 is suitable for most applications in temperature ranging from -10 °C to 280 °C. Tecnoflon® PFR 95 can be combined with other typical fluoroelastomer compounding ingredients; its mixing can be accomplished with two-roll mills or internal mixers. Finished goods may be produced by a variety of rubber processing methods. The primary use for Tecnoflon® PFR 95 is the manufacturing of any kind of elastomeric sealing element such as O-rings, gaskets, valve bodies, butterfly valves, pump housings and stators, metal bonded parts, diaphragms, profiles, etc. These sealing elements can be used in mechanical seals, pumps, compressors, valves, reactors, mixers, sprayers, dispensers, quick connect couplings, controls, instrumentation, etc. in chemical and petrochemical industry, hydrocarbon processing, petroleum exploration and extraction, food processing, pharmaceutical and bio-analytical industry, aerospace and semiconductor manufacturing industries. Features: Acid Resistant; Alcohol Resistant; Food Contact Acceptable; Fuel Resistant; Good Chemical Resistance; High Heat Resistance; Low Compression Set; Moisture Resistant; Solvent Resistant; Steam Resistant. Uses: Blending; Compounding; Diaphragms; Gaskets; Profiles; Pump Parts; Seals; Valves/Valve Parts. Information provided by Solvay Specialty Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Tecnoflon-PFR-95-Perfluoroelastomer.php

Physical Properties	Metric	English	Comments
Mooney Viscosity	35 @Temperature 121 °C	35 @Temperature 250 °F	ML 1+10; ASTM D1646

Compliance Properties	Metric	English	Comments
FDA	Yes	Yes	

Descriptive Properties	Value	Comments
Availability	Europe; North America	
Color	Translucent	
Form	Slab	
Processing Technique	Compounding	

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