

Solvay Specialty Polymers Tecnoflon® PFR 94 Perfluoroelastomer

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

Material Notes:

Tecnoflon® PFR 94 is a chemical resistant perfluoroelastomer (FFKM). Tecnoflon® PFR 94 offers the widest range of aggressive media sealing capabilities along with excellent compression set values. Tecnoflon® PFR 94 is suitable for most applications in temperature ranging from -10 °C to 230 °C, offering outstanding resistance to aggressive media such as hot organic and inorganic acids, caustics, ketones, aldehydes, esters, ethers, alcohols, fuels, solvents, sour gases, hydrocarbons, steam, hot water, ethylene and propylene oxide and mixed process streams. Moreover it can cope with a wide range of potent active pharmaceutical ingredients (APIs) and aggressive cleaning agents, being especially suited to withstand steam-in-place (SIP) and clean-in-place (CIP) procedures. PFR 94 can be combined with the cure system and 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 PFR 94 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 a wide range of industrial sectors, such as semiconductor manufacturing, chemical process industry, oil & gas, food and pharma and paint spray. Features: Acid Resistant; Alcohol Resistant; Food Contact Acceptable; Fuel Resistant; Good Chemical 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-94-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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