

Solvay Specialty Polymers Tecnoflon® PFR 06HC Perfluoroelastomer

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

Material Notes:

Tecnoflon® PFR 06HC is a chemical resistant perfluoroelastomer (FFKM). Tecnoflon® PFR 06HC offers the widest range of aggressive media sealing capabilities along with excellent compression set values. It 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, amines (especially hot amines, i.e. at temperature higher than 70°C), 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. Moreover its structure was specifically designed to deliver enhanced extrusion resistance and rapid gas decompression (RGD or explosive decompression ED) resistance requested for many high pressure gas applications in the oil & gas industry. Its extreme cleanliness along with its broad chemical resistance make PFR 06HC the suitable sealing material for most wet semiconductor processes (wafer cleaning, polymer removal, wet etching, polishing), for photolithography developing and stripping and for general purpose fab equipments (pumps, scrubbers, filters, chemicals delivery systems). PFR 06HC 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. Features: Acid Resistant; Alcohol Resistant; 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-06HC-Perfluoroelastomer.php

Physical Properties	Metric	English	Comments
Mooney Viscosity	75 @Temperature 121 °C	75 @Temperature 250 °F	ML 1+10; ASTM D1646

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

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