Tecnoflon® PFR 95HT

perfluoroelastomer

Tecnoflon® PFR 95HT is a perfluoroelastomer (FFKM) offering a significantly wider operational range and superior compression set resistance than any other perfluoroelastomer, thanks to its unique peroxide curing system that does not need any coagent (TAIC or equivalent) for curing to be carried out.

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 95HT is suitable for most applications in temperature ranging from -10°C to 300°C.

Tecnoflon® PFR 95HT 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 95HT 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 connectcouplings, controls, instrumentation, etc. in chemical and petrochemical industry, hydrocarbonprocessing, petroleum exploration and extraction, food processing, pharmaceutical and bio-analytical industry, aerospace and semiconductor manufacturing industries.

Tecnoflon® PFR 95HT is registered in the FDA Inventory of Effective Premarket Notifications for Food Contact Substances. It can be compounded so that the finished gaskets or seals can be used in food processing equipments (see "food processing compounds" section below).

Tecnoflon® PFR 95HT is marketed in the form of raw polymer (1 kg box) in order to give the transformer the freedom and the opportunity to develop and fine-tune compounds and items best suited to produce high performance rubber articles such as O-rings, seals, diaphragms and other parts used in process industries.

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General		
Material Status	• Commercial: Active	
Availability	• Europe	• North America
Features	• Acid Resistant • Alcohol Resistant • Chemical Resistant • Food Contact Acceptable • Fuel Resistant	• High Heat Resistance • Low Compression Set • Moisture Resistant • Solvent Resistant • Steam Resistant
Uses	• Blending • Compounding • Diaphragms • Gaskets	• Profiles • Pump Parts • Seals • Valves/Valve Parts
Agency Ratings	• FDA Food Contact, Unspecified Rating	
Appearance	• Translucent	
Forms	• Slab	
Processing Method	• Compounding	

Physical	Typical Value	Unit
Mooney Viscosity [1] (ML 1+10, 121°C)	75	MU

Notes

Typical properties: these are not to be construed as specifications.

[1] Raw polymer