

Tecnoflon® PFR 94

Perfluoroelastomer
Solvay Specialty Polymers

Message:

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.

Tecnoflon® PFR 94 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 on pages 7-8-9).

Tecnoflon® PFR 94 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 the final application.

General Information	
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
Agency Ratings	FDA Food Contact, Unspecified Rating
Appearance	Translucent
Forms	Slab
Processing Method	Compounding

Physical	Nominal Value	Unit
Mooney Viscosity ¹ (ML 1+10, 121°C)	35	MU
NOTE		
1.	Raw polymer	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

