

Tecnoflon® P 459

Fluoroelastomer
Solvay Specialty Polymers

Message:

TECNOFLON® P 459 is a low viscosity, high fluorine (70%), peroxide curable fluoroelastomer. Tecnoflon® P 459 exhibits superior resistance to a wide variety of chemicals, coupled with excellent processability and optimum compression set. Tecnoflon® P 459 can be cross-linked using organic peroxides in conjunction with a co-agent. Tecnoflon® P 459 is a lower viscosity version of Tecnoflon® P 959: please refer to Tecnoflon® P 959 Technical data sheet for data on chemical resistance.

Some of the basic properties of TECNOFLON® P 459 are:

- Low post cure
- Superior mold flow
- Lack of mold fouling
- Excellent mold release
- Good chemical resistance especially in:
 - Alcohol containing fuels
 - Steam
 - Fluids containing amine additives

Tecnoflon® P 459 can be used for injection and transfer molding of shaft seals, valve seals, Orings, gaskets or any item requiring superior chemical resistance.

Tecnoflon® P 459 can be combined with the cure system and other typical fluoroelastomer compounding ingredients. Mixing can be accomplished with two-roll mills or internal mixers. Finished goods may be produced by a variety of rubber processing methods. This material can be extruded into hoses or profiles and can be calendered to make sheet stocks or belting.

General Information	
Features	Alcohol Resistant
	Crosslinkable
	Fuel Resistant
	Good Chemical Resistance
	Good Flow
	Good Mold Release
	Good Processability
	Low Compression Set
	Low Viscosity
	Steam Resistant
Uses	Belts/Belt Repair
	Blending
	Gaskets
	Hose
	Profiles
	Seals
	Sheet
	Valves/Valve Parts
Appearance	Translucent
Forms	Slab

Processing Method	Calendering
	Compounding
	Extrusion
	Injection Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit
Mooney Viscosity ¹ (ML 1+10, 121°C)	24	MU
Fluorine Content ²	67	%
NOTE		
1.	Raw polymer	
2.	Raw polymer	

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