

# Tecnoflon® P 459

## fluoroelastomer

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

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
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

	Typical Value	Unit	Test method
Mooney Viscosity <sup>1</sup> (ML 1+10, 121°C)	24	MU	No Standard
Fluorine Content <sup>1</sup>	67	%	No Standard

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## Notes

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

<sup>1</sup> Raw polymer

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