Tecnoflon® P 457

fluoroelastomer

TECNOFLON® P 457 is a low viscosity, medium fluorine (67%), peroxide curable fluoroelastomer. Tecnoflon® P 457 exhibits superior resistance to a wide variety of chemicals, coupled with excellent processability, optimum compression set and good flexibility at low temperatures. Tecnoflon® P 457 can be cross-linked using organic peroxides in conjunction with a coagent. Tecnoflon® P 457 is a lower viscosity version of Tecnoflon® P 757: please refer to Tecnoflon® P 757 Technical data sheet for data on chemical resistance.

Some of the basic properties of TECNOFLON® P 457 are:

- Low post cure
- Superior mold flow
- Lack of mold fouling
- Excellent mold release
- Good chemical resistance
- Good stress relaxation
- Good metal bonding
- Good low temperature performance

Tecnoflon® P 457 can be used for injection and transfer molding of shaft seals, valve seals, Orings, gaskets or any item requiring superior chemical resistance.
Tecnoflon® P 457 can be combined with the cure system and other typical fluoroelastomer compounding ingredients. Mixing can be accomplished with two-roll mills or internal mixers.
This material can be extruded into hoses or profiles and can be calendered to make sheet stocks or belting. Finished goods may be produced by a variety of rubber processing methods.

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Features	• Bondability • Crosslinkable • Good Chemical Resistance	• Good Flow • Good Mold Release • Good Processability	• Low Compression Set • Low Temperature Flexibility • Low Viscosity
Uses	• Belts/Belt Repair • Blending • Gaskets • Hose	• Low Temperature Applications • Metal Bonding • 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 [1] (ML 1+10, 121°C)	21	MU	No Standard
Fluorine Content [1]	67	%	No Standard

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Notes

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

[1] Raw polymer

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