

## 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.

[Click here for full datasheet.](#)

# Tecnoflon® P 457

## fluoroelastomer

### General

Material Status	• Commercial: Active	
Availability	• Europe	• North America
Features	<ul style="list-style-type: none"> <li>• Bondability</li> <li>• Chemical Resistant</li> <li>• Crosslinkable</li> <li>• Good Flow</li> <li>• Good Mold Release</li> </ul>	<ul style="list-style-type: none"> <li>• Good Processability</li> <li>• Low Compression Set</li> <li>• Low Temperature Flexibility</li> <li>• Low Viscosity</li> </ul>
Uses	<ul style="list-style-type: none"> <li>• Belts/Belt Repair</li> <li>• Blending</li> <li>• Gaskets</li> <li>• Hose</li> <li>• Low Temperature Applications</li> </ul>	<ul style="list-style-type: none"> <li>• Metal Bonding</li> <li>• Profiles</li> <li>• Seals</li> <li>• Sheet</li> <li>• Valves/Valve Parts</li> </ul>
Appearance	• Translucent	
Forms	• Slab	
Processing Method	<ul style="list-style-type: none"> <li>• Calendering</li> <li>• Compounding</li> <li>• Extrusion</li> </ul>	<ul style="list-style-type: none"> <li>• Injection Molding</li> <li>• Resin Transfer Molding</li> </ul>

### Physical

	Typical Value	Unit
Mooney Viscosity <sup>1</sup> (ML 1+10, 121°C)	21	MU
Fluorine Content <sup>1</sup>	67	%

### Notes

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

<sup>1</sup> Raw polymer

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**[www.solvay.com](http://www.solvay.com)**

[SpecialtyPolymers.EMEA@solvay.com](mailto:SpecialtyPolymers.EMEA@solvay.com) | Europe, Middle East and Africa

[SpecialtyPolymers.Americas@solvay.com](mailto:SpecialtyPolymers.Americas@solvay.com) | Americas

[SpecialtyPolymers.Asia@solvay.com](mailto:SpecialtyPolymers.Asia@solvay.com) | Asia and Australia

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