

## 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.

[Click here for full datasheet.](#)

# Tecnoflon® P 459

## fluoroelastomer

### General

Material Status	• Commercial: Active	
Availability	• Europe	• North America
Features	<ul style="list-style-type: none"> <li>• Alcohol Resistant</li> <li>• Chemical Resistant</li> <li>• Crosslinkable</li> <li>• Fuel Resistant</li> <li>• Good Flow</li> </ul>	<ul style="list-style-type: none"> <li>• Good Mold Release</li> <li>• Good Processability</li> <li>• Low Compression Set</li> <li>• Low Viscosity</li> <li>• Steam Resistant</li> </ul>
Uses	<ul style="list-style-type: none"> <li>• Belts/Belt Repair</li> <li>• Blending</li> <li>• Gaskets</li> <li>• Hose</li> </ul>	<ul style="list-style-type: none"> <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)	24	MU
Fluorine Content <sup>1</sup>	70	%

### Notes

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

<sup>1</sup> Raw polymer

# Tecnoflon® P 459

fluoroelastomer

---

---

**[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

Safety Data Sheets (SDS) are available by emailing us or contacting your sales representative. Always consult the appropriate SDS before using any of our products.

Neither Solvay Specialty Polymers nor any of its affiliates makes any warranty, express or implied, including merchantability or fitness for use, or accepts any liability in connection with this product, related information or its use. Some applications of which Solvay's products may be proposed to be used are regulated or restricted by applicable laws and regulations or by national or international standards and in some cases by Solvay's recommendation, including applications of food/feed, water treatment, medical, pharmaceuticals, and personal care. Only products designated as part of the Solviva® family of biomaterials may be considered as candidates for use in implantable medical devices. The user alone must finally determine suitability of any information or products for any contemplated use in compliance with applicable law, the manner of use and whether any patents are infringed. The information and the products are for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process. This is not a license under any patent or other proprietary right.

All trademarks and registered trademarks are property of the companies that comprise the Solvay Group or their respective owners.

© 2020 Solvay Specialty Polymers. All rights reserved.

