

Tecnoflon® P 457

Fluoroelastomer
Solvay Specialty Polymers

Message:

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 Information	
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	Nominal Value	Unit
Mooney Viscosity ¹ (ML 1+10, 121°C)	21	MU
Fluorine Content ²	67	%

NOTE

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| 1. | Raw polymer |
| 2. | Raw polymer |

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

