

# Tecnoflon® PL 458

Fluoroelastomer  
Solvay Specialty Polymers

Message:

Tecnoflon® PL 458 is a new generation low post cure peroxide curable fluoroelastomer. Tecnoflon® PL 458 exhibits both excellent low temperature flexibility (TR10 = -24°C) and outstanding resistance to a variety of chemicals. As all other Tecnoflon® peroxide curable grades, it exhibits excellent processability; moreover it needs very short post-curing cycles.

Some of the basic properties of Tecnoflon® PL 458 are:

- Excellent low temperature flexibility
- Low volume swell in methanol-based fuels
- Low post cure
- Superior mould flow
- Lack of mould fouling
- Excellent mould release

Tecnoflon® PL 458 can be used for injection, compression and transfer molding of O-rings, gaskets and seals. Tecnoflon® PL 458 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	Fast Cure
	Good Chemical Resistance
	Good Flow
	Good Mold Release
	Good Processability
	Low Temperature Flexibility
Uses	Belts/Belt Repair
	Blending
	Gaskets
	Hose
	Low Temperature Applications
	Profiles
	Seals
	Sheet
Appearance	Translucent
Forms	Slab
Processing Method	Calendering
	Compounding
	Compression Molding
	Extrusion
	Injection Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit
Mooney Viscosity <sup>1</sup> (ML 1+10, 121°C)	23	MU
Fluorine Content <sup>2</sup>	66	%
NOTE		
1.	Raw polymer	
2.	Raw polymer	

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#### Recommended distributors for this material

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