

Tecnoflon® PL 458 fluoroelastomer

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.

[Click here for full datasheet.](#)

Tecnoflon® PL 458

fluoroelastomer

General

Material Status	• Commercial: Active	
Availability	• Europe	• North America
Features	• Chemical Resistant • Fast Cure • 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

	Typical Value	Unit
Mooney Viscosity ¹ (ML 1+10, 121°C)	23	MU
Fluorine Content ¹	66	%

Notes

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

¹ Raw polymer

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