

Tecnoflon® PL 557

fluoroelastomer

TECNOFLON® PL 557 is a new generation low temperature peroxide curable fluoroelastomer with 65.5% wt fluorine content. Tecnoflon® PL 557 exhibits excellent low temperature flexibility (TR10 = -29°C), close to Tecnoflon® PL 455, but with improved chemical resistance and permeability. Like 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 557 are:

- Excellent low temperature flexibility
- Low post cure
- Superior mold flow

- Lack of mold fouling
- Excellent mold release

Tecnoflon® PL 557 can be used for injection, injection-compression and transfer molding of O-rings, gaskets and seals. This material can be extruded into hoses or profiles and can be calendered to make sheet stocks or belting. Tecnoflon® PL 557 can be combined with the cure system and other typical fluoroelastomer compounding ingredients. Mixing can be accomplished with two-roll mills or internal mixers.

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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)	35	MU
Fluorine Content ¹	66	%

Notes

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

¹ Raw polymer