

Tecnoflon® PL 455

fluoroelastomer

TECNOFLON® PL 455 is a new generation low temperature peroxide curable low viscosity fluoroelastomer with 64% wt fluorine content. Tecnoflon® PL 455 exhibits excellent low temperature flexibility (TR10 = -30°C). 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 455 are:

- Excellent low temperature flexibility
- Low post cure
- Superior mold flow
- Lack of mold fouling

- Excellent mold release

Tecnoflon® PL 455 can be used for injection, injection-compression and transfer molding of O-rings, gaskets and seals. Tecnoflon® PL 455 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

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Features	• Fast Cure • Good Flow	• Good Mold Release • Good Processability	• Low Temperature Flexibility • Low Viscosity
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	Test method
Mooney Viscosity ¹ (ML 1+10, 121°C)	19	MU	No Standard
Fluorine Content ¹	64	%	No Standard

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Notes

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

¹ Raw polymer

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