

Tecnoflon® VPL 85730 / VPL 45730 fluoroelastomer

Tecnoflon® VPL 85730 and VPL 45730 are a brand new generation of very low temperature peroxide curable fluoroelastomer with outstanding low temperature flexibility (TR10 = -30°C). Furthermore, they show an improved chemical resistance if compared to Tecnoflon® PL grades with similar TR10. Like all other Tecnoflon® peroxide curable grades, they exhibit excellent processability; moreover they need very short post-curing cycles.

Some of the basic properties of Tecnoflon® VPL 85730 and VPL 45730 are:

- Outstanding low temperature flexibility
- Excellent chemical resistance
- Low post cure
- Superior mold flow

- Lack of mold fouling
- Excellent mold release

Tecnoflon® VPL 85730 and VPL 45730 can be used for compression, injection, injection-compression and transfer molding of Orings, gaskets and seals. Tecnoflon® VPL 85730 and VPL 45730 can be combined with the cure system and other typical fluoroelastomer compounding ingredients. Mixing can be accomplished with two-roll mills or internal mixers.

These materials 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.](#)

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 • Transfer Molding

Physical

Typical Value Unit

Mooney Viscosity	
ML 1+10, 121°C ¹	25 MU
ML 1+10, 121°C ²	45 MU
Fluorine Content ³	67 %



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Notes

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

¹ Raw polymer: VPL 45730

² Raw polymer: VPL 85730

³ Raw polymer

