

Tecnoflon® VPL 45535

fluoroelastomer

Tecnoflon® VPL 45535 is a brand new generation very low temperature peroxide curable fluoroelastomer with outstanding low temperature flexibility (TR10 = -35°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® VPL 45535 are:

- Outstanding low temperature flexibility
- Excellent chemical resistance, especially in alcohol containing fuels
- Low post cure
- Superior mold flow
- Lack of mold fouling

- Excellent mold release

Tecnoflon® VPL 45535 can be used for compression, injection, injection-compression and transfer molding of O-rings, gaskets and seals.

Tecnoflon® VPL 45535 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.

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General

Material Status	• Commercial: Active	
Availability	• Europe	• North America
Features	• Alcohol Resistant • Chemical Resistant • Fuel Resistant • 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)	25	MU
Fluorine Content ¹	65	%

Notes

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

¹ Raw polymer