Tecnoflon® VPL 85540 / VPL 55540

fluoroelastomer

Tecnoflon® VPL 85540 and 55540 belong to a brand new generation of very low temperature peroxide curable FKM. They have been designed to offer outstanding low temperature flexibility (i.e. TR10 = -40°C). Like all other Tecnoflon® peroxide curable grades, they exhibit excellent processability and superior mechanical properties and sealing ability; moreover they need very short post curing cycles.

Some of the basic properties of Tecnoflon® VPL 85540 and 55540 are:

- Outstanding low temperature behavior
- Very good chemical resistance
- Low post cure
- Superior mold flow
- Lack of mold fouling
- Excellent mold release
- Very good chemical resistance

Solvay offers medium (VPL 85540) and low viscosity (VPL 55540) versions in order to fulfil all customer's requirements. Accordingly to the curing technology, Tecnoflon® VPL 85540 and VPL 55540 can be transformed by all the molding techniques, including injection, injection-compression, compression and transfer molding. Tecnoflon® VPL 85540 and 55540 can be used with all typical peroxide curing system and the other fluoroelastomer compounding ingredients. Mixing can be accomplished with two-roll mills or internal mixers. This material can be extruded into hoses or profiles or can be calendered to make sheet stocks or belting.

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Features	• Fast Cure • Good Chemical Resistance • Good Flow	• Good Heat Seal • Good Mold Release • Good Processability	• Low Temperature Flexibility • Medium-low Viscosity
Uses	• Belts/Belt Repair • Blending	• Hose • Low Temperature Applications	• Profiles • 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			No Standard
ML 1+10, 121°C [1]	45	MU	
ML 1+10, 121°C [2]	25	MU	
Fluorine Content [3]	65	%	No Standard

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Notes

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

[1] Raw polymer: VPL 85540

[2] Raw polymer: VPL 55540

[3] Raw polymer

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