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.

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General		
Material Status	• Commercial: Active	
Availability	• Europe	• North America
Features	• Chemical Resistant • Fast Cure • 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
Mooney Viscosity		
ML 1+10, 121°C [1]	25	MU
ML 1+10, 121°C [2]	45	MU
Fluorine Content [3]	65	%

Notes

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

[1] Raw polymer: VPL 55540

[2] Raw polymer: VPL 85540

[3] Raw polymer