

# Tecnoflon® VPL 85540 / VPL 55540

Fluoroelastomer

Solvay Specialty Polymers

## Message:

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 Information	
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	Nominal Value	Unit
Mooney Viscosity		
ML 1+10, 121°C <sup>1</sup>	45	MU
ML 1+10, 121°C <sup>2</sup>	25	MU
Fluorine Content <sup>3</sup>	65	%

### NOTE

1. Raw polymer: VPL 85540
2. Raw polymer: VPL 55540
3. Raw polymer

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### Recommended distributors for this material

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