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.

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Features	• Fast Cure • Good Chemical Resistance	• 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	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]	67	%	No Standard

Tecnoflon® VPL 85730 / VPL 45730
fluoroelastomer

Notes

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

[1] Raw polymer: VPL 85730

[2] Raw polymer: VPL 45730

[3] Raw polymer

www.solvay.com

SpecialtyPolymers.EMEA@solvay.com | Europe, Middle East and Africa

SpecialtyPolymers.Americas@solvay.com | Americas

SpecialtyPolymers.Asia@solvay.com | Asia and Australia

SOLVAY

asking more from chemistry®