# 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.

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fluoroelastomer

| General | | |
|---|---|---|
| Material Status | • Commercial: Active | |
| Availability | • Europe | • North America |
| Features | • Chemical Resistant<br>• Fast Cure<br>• Good Flow | • Good Mold Release<br>• Good Processability<br>• Low Temperature Flexibility |
| Uses | • Belts/Belt Repair<br>• Blending<br>• Gaskets<br>• Hose | • Low Temperature Applications<br>• Profiles<br>• Seals<br>• Sheet |
| Appearance | • Translucent | |
| Forms | • Slab | |
| Processing Method | • Calendering<br>• Compounding<br>• Compression Molding | • Extrusion<br>• Injection Molding<br>• 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] | 67 | % |

**Notes**

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

[1] Raw polymer: VPL 45730

[2] Raw polymer: VPL 85730

[3] Raw polymer