

Tecnoflon® VPL 45535

fluoroelastomer

Tecnoflon® VPL 45535 is a brand new generation very low temperature peroxide curable fluoroelastomer with outstanding low temperature flexibility (TR10 = -35°C). Like all other Tecnoflon® peroxide curable grades, it exhibits excellent processability; moreover it needs very short post-curing cycles.

Some of the basic properties of Tecnoflon® VPL 45535 are:

- Outstanding low temperature flexibility
- Excellent chemical resistance, especially in alcohol containing fuels
- Low post cure
- Superior mold flow
- Lack of mold fouling

- Excellent mold release

Tecnoflon® VPL 45535 can be used for compression, injection, injection-compression and transfer molding of O-rings, gaskets and seals.

Tecnoflon® VPL 45535 can be combined with the cure system and other typical fluoroelastomer compounding ingredients. Mixing can be accomplished with two-roll mills or internal mixers.

This material 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 | • Alcohol Resistant • Fuel Resistant • 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 ¹ (ML 1+10, 121°C) | 25 | MU | No Standard |
| Fluorine Content ¹ | 65 | % | No Standard |

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Notes

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

¹ Raw polymer

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