

## Tecnoflon® L 636

### fluoroelastomer

TECNOFLON® L 636 is a medium-low viscosity fluoroelastomer terpolymer with 66% fluorine content, designed to provide improved low temperature characteristics. Tecnoflon® L 636 does not contain curatives: therefore the proper levels of Tecnoflon® FOR M1 and Tecnoflon® FOR M2 must be added to achieve the required properties. Tecnoflon® L 636 is especially suited for injection moulding of O-rings and sealing components which must meet demanding specifications. Tecnoflon® L 636 exhibits the same excellent heat and chemical resistance expected from Tecnoflon® copolymers.

Some of the basic properties of TECNOFLON® L 636 are:

- Improved low temperature performance
- Good heat and chemical resistance
- Very low compression set

- Excellent mould release
- Lack of mould fouling
- Superior mould flow

Tecnoflon® L 636 can be used for compression, injection and transfer molding of O-rings, diaphragms, gaskets, seals, moulded shapes or other items requiring improved low temperature performance. Tecnoflon® L 636 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 can be produced by a variety of rubber processing methods.

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### General

Material Status	• Commercial: Active	
Availability	• Europe	• North America
Features	<ul style="list-style-type: none"> <li>• Chemical Resistant</li> <li>• Good Flow</li> <li>• Good Mold Release</li> <li>• High Heat Resistance</li> </ul>	<ul style="list-style-type: none"> <li>• Low Compression Set</li> <li>• Medium-low Viscosity</li> <li>• Terpolymer</li> </ul>
Uses	<ul style="list-style-type: none"> <li>• Belts/Belt Repair</li> <li>• Blending</li> <li>• Diaphragms</li> <li>• Gaskets</li> <li>• Hose</li> </ul>	<ul style="list-style-type: none"> <li>• Low Temperature Applications</li> <li>• Profiles</li> <li>• Seals</li> <li>• Sheet</li> </ul>
Appearance	• Translucent	
Forms	• Slab	
Processing Method	<ul style="list-style-type: none"> <li>• Calendering</li> <li>• Compounding</li> <li>• Compression Molding</li> </ul>	<ul style="list-style-type: none"> <li>• Extrusion</li> <li>• Injection Molding</li> <li>• Resin Transfer Molding</li> </ul>

### Physical

#### Typical Value Unit

Mooney Viscosity <sup>1</sup> (ML 1+10, 121°C)	35	MU
Fluorine Content <sup>1</sup>	66	%

### Notes

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

<sup>1</sup> Raw polymer