

# Tecnoflon® TN 50A

Fluoroelastomer

Solvay Specialty Polymers

## Message:

TECNOFLO® TN 50A is a medium-low viscosity fluoroelastomer terpolymer. It does not contain curatives, therefore the proper levels of Tecnoflon® FOR M1 and Tecnoflon® FOR M2 must be added to achieve required properties. Thanks to its 68% of fluorine content, a good compromise between chemical resistance and compression set value is obtained. The careful distribution of molecular weights and medium-low viscosity maximize its performance in applications such as injection molding or extrusion where rheological properties are critical.

Some of the basic properties of Tecnoflon® TN 50A are:

Very good mold flow

Superior mold release

Good compression set

Good extrusion behavior

Tecnoflon® TN 50A can be used for compression, injection and transfer molding of shaft seals, valve stem seals, O-rings, gaskets and seals. This material can be combined with the cure system and other typical fluoroelastomer compounding ingredients. Mixing can be accomplished with two-roll mills or internal mixers.

Tecnoflon® TN 50A 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.

General Information	
Features	Good Chemical Resistance Good Flow Good Mold Release Low Compression Set Medium-low Viscosity Terpolymer
Uses	Belts/Belt Repair Blending Gaskets Hose Profiles Seals Sheet Valves/Valve Parts
Appearance	Translucent
Forms	Slab
Processing Method	Calendering Compounding Compression Molding Extrusion Injection Molding Resin Transfer Molding

Physical	Nominal Value	Unit
Mooney Viscosity <sup>1</sup> (ML 1+10, 121°C)	23	MU
Fluorine Content <sup>2</sup>	68	%

NOTE

1. Raw polymer
2. Raw polymer

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