

Tecnoflon® TN 50A

fluoroelastomer

TECNOFLON® 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.

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General

Material Status	• Commercial: Active	
Availability	• Europe	• North America
Features	• Chemical Resistant • 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

Typical Value Unit

Mooney Viscosity ¹ (ML 1+10, 121°C)	23	MU
Fluorine Content ¹	68	%

Notes

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

¹ Raw polymer