

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 ¹ (ML 1+10, 121°C)	23	MU
Fluorine Content ²	68	%
NOTE		
1.	Raw polymer	
2.	Raw polymer	

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