

Tecnoflon® TN

fluoroelastomer

TECNOFLON® TN is a high viscosity fluoroelastomer terpolymer. TN is well suited for applications requiring better chemical resistance and/or long term heat resistance compared to fluoroelastomer copolymers. It can be blended with other polymers of the Tecnoflon® family to meet specific requirements. TN does not contain curatives, therefore the proper levels of Tecnoflon® FOR M1 and Tecnoflon® FOR M2 must be added to achieve required properties. It can also be cured with diamines.

Some of the basic properties of TECNOFLON® TN are:

- Excellent chemical resistance
- Good compression set
- Excellent mould release

- Lack of mould fouling
- Superior mould flow

Tecnoflon® TN can be used for compression and transfer molding of shaft seals, valve stem seals, O-rings, gaskets, seals or any item requiring excellent chemical resistance. Tecnoflon® TN 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.

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Features	• Good Chemical Resistance • Good Flow • Good Heat Aging Resistance	• Good Mold Release • High Viscosity • Low Compression Set	• Terpolymer
Uses	• Belts/Belt Repair • Blending • Gaskets	• Hose • Profiles • Seals	• Sheet • Valves/Valve Parts
Appearance	• Translucent		
Forms	• Pellets		
Processing Method	• Calendering • Compounding	• Compression Molding • Extrusion	• Resin Transfer Molding

Physical

	Typical Value	Unit	Test method
Mooney Viscosity ¹ (ML 1+10, 121°C)	67	MU	No Standard
Fluorine Content ¹	68	%	No Standard

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Notes

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

¹ Raw polymer

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