

Tecnoflon® N 535 fluoroelastomer

Tecnoflon® N 535 is a low viscosity fluoroelastomer copolymer. Tecnoflon® N 535 is intended as a general purpose fluoroelastomer. It can be blended with other polymers of the Tecnoflon® family to meet specific requirements. Tecnoflon® N 535 does not contain curatives: therefore the proper levels of Tecnoflon® FOR M1 and Tecnoflon® FOR M2 must be added to achieve the required properties. It can be also cured with diamine based systems such as Tecnoflon® Tecnocin A and Tecnoflon® Tecnocin B.

Some of the unique properties of Tecnoflon® N 535 are:

- Excellent compression set
- Lack of mould fouling
- Superior extrusion behaviour

- Superior mould flow
- Excellent mould release

Tecnoflon® N 535 can be used for injection and transfer moulding of O-rings, gaskets and seals. The product can be mixed using typical fluoroelastomers compounding ingredients and mixing can be accomplished with two-roll mills or internal mixers. The material can be extruded into hoses or profiles and can be calendered to make sheet stocks or belting. Compounds based on Tecnoflon® N 535 can be dispersed in solvents for coating applications. Finished goods can be produced by a variety of rubber processing methods.

Tecnoflon® N 535

fluoroelastomer

General

Material Status	• Commercial: Active	
Availability	• Europe	• North America
Features	• Copolymer • Good Flow • Good Mold Release	• Low Compression Set • Low Viscosity
Uses	• Belts/Belt Repair • Blending • Gaskets • General Purpose	• Hose • Profiles • Seals • Sheet
Appearance	• Translucent	
Forms	• Slab	
Processing Method	• Calendering • Compounding • Extrusion	• Injection Molding • Resin Transfer Molding

Physical

	Typical Value	Unit
Mooney Viscosity ¹ (ML 1+10, 121°C)	27	MU
Fluorine Content ¹	66	%

Notes

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

¹ Raw polymer