Tecnoflon® T 538

fluoroelastomer

TECNOFLON® T 538 is a low viscosity fluoroelastomer terpolymer with 68.5% fluorine content. Tecnoflon® T 538 has been designed and synthesized with a new patented polymerization technology that assures improved processability and outstanding physical properties. Tecnoflon® T 538 does not contain curatives: therefore the proper levels of Tecnoflon® FOR M1 and Tecnoflon® FOR M2 must be added to achieve the required properties. Tecnoflon® T 538 exhibits the chemical resistance typical of fluoroelastomer terpolymers. It is well suited for applications requiring better chemical resistance and/or long term heat resistance compared to fluoroelastomer copolymers.

Some of the basic properties of Tecnoflon® T 538 are:

- Excellent chemical resistance
- Good heat resistance
- Excellent processability

Tecnoflon® T 538 can be used for compression, injection and transfer molding of shaft seals, valve stem seals, gaskets or any item requiring excellent chemical resistance 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® T 538 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 Heat Aging Resistance	• Good Processability • High Heat Resistance	• 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	Test method
Mooney Viscosity [1] (ML 1+10, 121°C)	26	MU	No Standard
Fluorine Content [1]	69	%	No Standard

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Notes

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

[1] Raw polymer

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