

Tecnoflon® FOR TF 838K

fluoroelastomer

TECNOFLON® FOR TF 838K is a medium viscosity cure incorporated fluoroelastomer terpolymer (FKM) with 68 % fluorine content. Tecnoflon® FOR TF 838K is designed to improve bonding in any application requiring adhesion to metal. In shaft seals or valve stem seals production, Tecnoflon® FOR TF 838K greatly reduces the reject rate due to adhesion and molding problems. Tecnoflon® FOR TF 838K shows low crosslinking density, in order to allow further addition of curatives.

Some of the basic properties of Tecnoflon® FOR TF 838K are:

- Superior bonding to metal
- Very good scorch safety
- Outstanding processability

- Lack of mold fouling
- Excellent hot tear resistance
- Excellent mold release

Tecnoflon® FOR TF 838K can be used for compression, injection and transfer molding of shaft seals, valve stem seals, O-rings, gaskets and seals. Tecnoflon® FOR TF 838K 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	• Bondability • Good Adhesion • Good Mold Release	• Good Processability • Good Tear Strength • Low Density	• Medium Viscosity • Terpolymer
Uses	• Belts/Belt Repair • Blending • Gaskets	• Hose • Metal Bonding • Profiles	• Seals • Sheet • Valves/Valve Parts
Appearance	• Off-White		
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)	41	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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