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.

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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
Mooney Viscosity [1] (ML 1+10, 121°C)	41	MU
Fluorine Content [1]	68	%

Notes

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

[1] Raw polymer