

# 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<br>• Good Adhesion<br>• Good Mold Release<br>• Good Processability | • Good Tear Strength<br>• Low Density<br>• Medium Viscosity<br>• Terpolymer |
| Uses              | • Belts/Belt Repair<br>• Blending<br>• Gaskets<br>• Hose<br>• Metal Bonding      | • Profiles<br>• Seals<br>• Sheet<br>• Valves/Valve Parts                    |
| Appearance        | • Off-White  |   |
| Forms             | • Slab   |   |
| Processing Method | • Calendering<br>• Compounding<br>• Compression Molding                          | • Extrusion<br>• Injection Molding<br>• Transfer Molding                    |

## Physical

## Typical Value Unit

|  |       |
|--|-------|
| Mooney Viscosity <sup>1</sup> (ML 1+10, 121°C) | 41 MU |
| Fluorine Content <sup>1</sup>                  | 68 %  |

## Notes

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

<sup>1</sup> Raw polymer

