

# Tecnoflon® FOR 5381 fluoroelastomer

TECNOFLON® FOR 5381 is a low viscosity cure incorporated fluoroelastomer terpolymer (FKM) with 68.5% fluorine content. Tecnoflon® FOR 5381 is well suited for all applications requiring better chemical resistance and/or long term heat resistance compared to fluoroelastomer copolymers.

Tecnoflon® FOR 5381 contains proprietary cure system and special process aid providing superior processability for fast cycles and scorch safety.

Some of the basic properties of TECNOFLON® FOR 5381 are:

- Very good processability
- Excellent chemical resistance
- Low compression set

- Good heat resistance

Tecnoflon® FOR 5381 can be used for compression, injection and transfer moulding 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® FOR 5381 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
Additive	• Processing Aid	
Features	<ul style="list-style-type: none"> <li>• Chemical Resistant</li> <li>• Fast Molding Cycle</li> <li>• Good Processability</li> <li>• Heat Aging Resistant</li> </ul>	<ul style="list-style-type: none"> <li>• High Heat Resistance</li> <li>• Low Compression Set</li> <li>• Low Viscosity</li> <li>• Terpolymer</li> </ul>
Uses	<ul style="list-style-type: none"> <li>• Belts/Belt Repair</li> <li>• Blending</li> <li>• Gaskets</li> <li>• Hose</li> </ul>	<ul style="list-style-type: none"> <li>• Profiles</li> <li>• Seals</li> <li>• Sheet</li> <li>• Valves/Valve Parts</li> </ul>
Appearance	• Off-White	
Forms	• Slab	
Processing Method	<ul style="list-style-type: none"> <li>• Calendering</li> <li>• Compounding</li> <li>• Compression Molding</li> </ul>	<ul style="list-style-type: none"> <li>• Extrusion</li> <li>• Injection Molding</li> <li>• Transfer Molding</li> </ul>

## Physical

	Typical Value	Unit
Mooney Viscosity <sup>1</sup> (ML 1+10, 121°C)	21	MU
Fluorine Content <sup>1</sup>	69	%

## Notes

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

<sup>1</sup> Raw polymer

