

Tecnoflon® FOR 5312K

fluoroelastomer

TECNOFLON® FOR 5312K is a medium-low viscosity cure incorporated fluoroelastomer copolymer. This grade contains proprietary cure system and special processing aid providing superior processability. Tecnoflon® FOR 5312K is designed to improve bonding in any application requiring adhesion to metal. In shaft seals or valve stem seals production, Tecnoflon® FOR 5312K greatly reduces the reject rate due to adhesion and molding problems.

Some of the basic properties of Tecnoflon® FOR 5312K are:

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

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

TECNOFLON® FOR 5312K can be used for injection and transfer moulding of gaskets and seals. The product can be mixed using typical fluoroelastomers compounding ingredients and mixing can be accomplished with two-roll mills or internal mixers.

The 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	
Additive	• Processing Aid		
Features	• Bondability • Copolymer • Good Adhesion	• Good Mold Release • Good Processability • Good Tear Strength	• Medium-low Viscosity
Uses	• Belts/Belt Repair • Blending • Gaskets	• Hose • Profiles • Seals	• Sheet • Valves/Valve Parts
Appearance	• Off-White		
Forms	• Slab		
Processing Method	• Calendering • Compounding	• 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	66	%	No Standard

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Notes

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

¹ Raw polymer

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