

Tecnoflon® BR 9171

Fluoroelastomer
Solvay Specialty Polymers

Message:

Tecnoflon® BR 9171 is a new medium-low viscosity peroxide curable fluoroelastomer with a unique structure, patented by Solvay, that affords excellent resistance to aggressive oils, amine containing fluids, bases, steam, and sour gases. Tecnoflon® BR 9171 exhibits superior resistance to a wide variety of chemicals coupled with excellent processability. Tecnoflon® BR 9171 can be cross-linked using organic peroxides in conjunction with a co-agent. Compared to Tecnoflon® BR 9151, it shows by far improved chemical resistance in bases and fluids containing amine additives.

Some of the basic properties of Tecnoflon® BR 9171 are:

Excellent chemical resistance to:

- Bases
- ATF fluids and gear lubricants
- Fluids containing amine additives
- High PH packages
- Steam
- Sour gases

Very good low temperature flexibility

Tecnoflon® BR 9171 can be used for compression, injection and transfer molding of shaft seals, valve seals, O-rings, gaskets or any item requiring superior chemical resistance.

Tecnoflon® BR 9171 can be combined with the cure system and other typical fluoroelastomer compounding ingredients. Mixing can be accomplished with two-roll mills or internal mixers.

Finished goods may be produced by a variety of rubber processing methods. This material can be extruded into hoses or profiles and can be calendered to make sheet stocks or belting.

General Information	
Features	Base Resistant
	Crosslinkable
	Good Chemical Resistance
	Good Processability
	Low Temperature Flexibility
	Medium-low Viscosity
	Oil Resistant
	Steam Resistant
Uses	Belts/Belt Repair
	Blending
	Gaskets
	Hose
	Profiles
	Seals
	Sheet
	Valves/Valve Parts
Appearance	Translucent
Forms	Slab
Processing Method	Calendering

Compounding
Compression Molding
Extrusion
Injection Molding
Resin Transfer Molding

Physical	Nominal Value	Unit
Mooney Viscosity ¹ (ML 1+10, 121°C)	30	MU
Fluorine Content ²	67	%
NOTE		
1.	Raw polymer	
2.	Raw polymer	

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