

Tecnoflon® BR 9171 fluoroelastomer

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.

Tecnoflon® BR 9171

fluoroelastomer

General

Material Status	• Commercial: Active	
Availability	• Europe	• North America
Features	• Base Resistant • Chemical Resistant • Crosslinkable • 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

	Typical Value	Unit
Mooney Viscosity ¹ (ML 1+10, 121°C)	30	MU
Fluorine Content ¹	67	%

Notes

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

¹ Raw polymer