Tecnoflon® BR 9151

fluoroelastomer

Tecnoflon® BR 9151 is a new medium viscosity peroxide curable fluoroelastomer with a unique structure, patented by Solvay, that affords excellent resistance to aggressive oils, amine containing fluids, bases, and steam. Tecnoflon® BR 9151 exhibits superior resistance to a wide variety of chemicals (such as aggressive oils, amine containing fluids, bases and steam), coupled with excellent processability. Tecnoflon® BR 9151 can be cross-linked using organic peroxides in conjunction with a co-agent.

Some of the basic properties of Tecnoflon® BR 9151 are:

- Excellent chemical resistance to:
- Bases
  - ATF fluids
  - Steam
  - Fluids containing amine additives
  - High PH packages
- Good mechanical properties
- Superior mold flow
- Lack of mold fouling
- Excellent mold release

Tecnoflon® BR 9151 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 9151 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

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Features	• Base Resistant • Crosslinkable • Good Chemical Resistance	• Good Flow • Good Mold Release • Good Processability	• Medium 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	Test method
Mooney Viscosity [1] (ML 1+10, 121°C)	40	MU	No Standard
Fluorine Content [1]	65	%	No Standard

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Notes

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

[1] Raw polymer

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