Tecnoflon® PL 855

fluoroelastomer

TECNOFLON® PL 855 is a new generation low temperature peroxide curable medium viscosity fluoroelastomer with 64% wt fluorine content. Tecnoflon® PL 855 exhibits excellent low temperature flexibility (TR10 = -30°C). Like all other Tecnoflon® peroxide curable grades, it exhibits excellent processability; moreover it needs very short post-curing cycles.

Some of the basic properties of Tecnoflon® PL 855 are:

- Excellent low temperature flexibility
- Low post cure
- Superior mold flow
- Lack of mold fouling
- Excellent mold release

Tecnoflon® PL 855 can be used for injection, injection-compression and transfer molding of O-rings, gaskets and seals. Tecnoflon® PL 855 can be combined with the cure system and other typical fluoroelastomer compounding ingredients. Mixing can be accomplished with two-roll mills or internal mixers.

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

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General		
Material Status	• Commercial: Active	
Availability	• Europe	• North America
Features	• Fast Cure • Good Flow • Good Mold Release	• Good Processability • Low Temperature Flexibility • Medium Viscosity
Uses	• Belts/Belt Repair • Blending • Gaskets • Hose	• Low Temperature Applications • Profiles • Seals • Sheet
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)	54	MU
Fluorine Content [1]	64	%

Notes

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

[1] Raw polymer