

# 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.

[Click here for full datasheet.](#)

## General

|                   |  |  |
|-------------------|--|--|
| Material Status   | • Commercial: Active                                     |  |
| Availability      | • Europe   | • North America  |
| Features          | • Fast Cure<br>• Good Flow<br>• Good Mold Release        | • Good Processability<br>• Low Temperature Flexibility<br>• Medium Viscosity |
| Uses              | • Belts/Belt Repair<br>• Blending<br>• Gaskets<br>• Hose | • Low Temperature Applications<br>• Profiles<br>• Seals<br>• Sheet           |
| Appearance        | • Translucent  |  |
| Forms             | • Slab   |  |
| Processing Method | • Calendering<br>• Compounding<br>• Compression Molding  | • Extrusion<br>• Injection Molding<br>• Transfer Molding                     |

## Physical

### Typical Value Unit

|  |       |
|--|-------|
| Mooney Viscosity <sup>1</sup> (ML 1+10, 121°C) | 54 MU |
| Fluorine Content <sup>1</sup>                  | 64 %  |

## Notes

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

<sup>1</sup> Raw polymer

