

Fluoropolymer NEOFLON PCTFE M-300PL

TECHNICAL DATASHEET

NEOFLON PCTFE M-300PL is a high hardness fluoro resin with excellent gas barrier properties.

Introduction

- **NEOFLON PCTFE M-300PL** is a polymer with a structure in which all hydrogen atoms of polyvinyl chloride $(CH_2-CHCl)_n$ are substituted with fluorine atoms. It is in the form of one chlorine atom in PTFE structural unit.
- Highly **transparent** due to this chlorine atom.
- It is a fluoro resin with **the highest gas barrier property** and **high hardness**.
- **Excellent in mechanical properties**, although it is slightly inferior to PFA and FEP in heat resistance and chemical resistance.
- M-300PL is a pelletized product with higher molecular weight than M-300P.
- Excellent in stress crack resistance. It is suitable for both compression and extrusion molding.

General physical properties

Item	Unit	Value	Test Method
Flow value	ml/sec	0.95×10^{-3}	Elevated type flow tester method
Melting Point	°C	212	DSC
Specific Gravity	-	2.13	ASTM D 792 Compliant
Hardness	—	D80	ASTM D 638 Compliant
Tensile Strength	MPa	44.7	ASTM D1708 Compliant
Elongation	%	163	ASTM D1708 Compliant

* The above values are representative values, not guaranteed values.

Handling method / Safety information

- Be sure to read the notes on SDS and labels before use.
- This product is intended for general industry, and therefore its adequacy and safety as a raw material for medical purposes cannot be guaranteed.

Packing specification

- 50Kg

For more information, visit our website.

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tds-m-300pl-E_ver01_Mar_2018
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