

## Fluoropolymer NEOFLON PCTFE M-300P

### TECHNICAL DATASHEET

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

#### Introduction

- **NEOFLON PCTFE M-300P** is a polymer with a structure in which all hydrogen atoms of polyvinyl chloride ( $\text{CH}_2\text{--CHCl}$ )<sub>n</sub> 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-300P is a **pelletized product** which is suitable for both **compression and extrusion molding**.

#### General physical properties

Item	Unit	Value	Test Method
Flow value	ml/sec	$1.5 \times 10^{-3}$	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	43.5	ASTM D1708 Compliant
Elongation	%	200	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, contact us.

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