

# Fluoropolymer NEOFLON PCTFE M-300H

 TECHNICAL  
DATASHEET

**NEOFLON PCTFE M-300H is a high hardness fluororesin with excellent gas barrier properties.**

## Introduction

- **NEOFLON PCTFE M-300H** 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 fluororesin 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- 300H can reduce the mold volume during compression molding of thick molded products. Because it is **granular**.
- Compression molding and extrusion molding are suitable.

## 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	47.4	ASTM D1708 Compliant
Elongation	%	189	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.

**DAIKIN INDUSTRIES, LTD.**

<https://www.daikinchemicals.com/>