

Fluoropolymer NEOFLON PCTFE M-400H

 TECHNICAL
DATASHEET

NEOFLON PCTFE M-400H is a high hardness fluororesin with excellent gas barrier properties.

Introduction

- **NEOFLON PCTFE M-400H** is a polymer with a structure in which all hydrogen atoms of polyvinyl chloride (CH₂--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-400H is a granular material with a higher molecular weight than M-300H.
- It is excellent in stress crack resistance, suitable for compression molding.

General physical properties

Item	Unit	Value	Test Method
Flow value	ml/sec	0.70×10 ⁻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	47.6	ASTM D1708 Compliant
Elongation	%	185	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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