DAIKIN | Positively Innovative

Fluoropolymer

NEOFLON PFA AP-210

TECHNICAL DATASHEET

NEOFLON PFA AP-210 is excellent in melt flowability and is suitable for injection molding and extrusion molding.

Introduction

- **AP-210** is a copolymer of tetrafluoroethylene and perfluoroalkyl vinyl ether.
- **Good melt flowability** while maintaining excellent properties of PTFE. It can be melt-molded as a thermoplastic resin by **injection molding** and **extrusion molding**.
- **Excellent chemical resistance** which is not affected by most of the chemicals.
- **Excellent heat resistance.** Continuous use temperature is 260 ℃.
- It retains flexibility without losing toughness under the environment from cryogenic to high temperature.
- **Low dielectric constant and dielectric loss tangent** in a wide range of temperature and frequency.
- It shows high electrical resistance and dielectric strength.
- **Nonflammable** like POLYFLON PTFE and NEOFLON FEP**.**
- **Excellent weather resistance.** No properties change even when exposed outside for a long time.
- Non-stickiness. It shows excellent releasability and water repellency / oil repellency.

General physical properties

Item	Unit	Value	Test Method
MFR	g/10min	14	372℃、5kgf
Melting Point	℃	306	DSC
Specific Gravity	-	2.15	ASTM D 792 Compliant
Tensile Strength	MPa	31	ASTM D 1708 Compliant
Elongation	%	420	ASTM D 1708 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

- 25Kg
-

tds-ap-210-E_ver01_Mar_2018