

Fluoropolymer NEOFLON PFA AP-221SH

 TECHNICAL
DATASHEET

NEOFLON PFA AP-221SH is fully fluorinated fluoro resin with improved crack resistance while maintaining melt flowability.

Introduction

- **AP-221SH** is a copolymer of tetrafluoroethylene and perfluoroalkyl vinyl ether. It is PFA with its end groups **completely fluorinated**.
- **Good melt flowability** while maintaining excellent properties of PTFE. It can be used for melt molding as a thermoplastic resin. Transfer molding and extrusion molding are suitable.
- Excellent in **stress crack resistance**,
- Especially suitable for transfer molded products. It has been used for **small size valve lining** applications.
- **Less eluted fluoride ions**. Due to the fluorinated terminal group.
- **Excellent chemical resistance** which is not affected by most of the chemicals.
- It retains flexibility without losing toughness under the environment from cryogenic to high temperature,
- Excellent heat resistance. Continuous use temperature is 260 °C.
- **Low dielectric constant and dielectric loss tangent** in a wide range of temperature and frequency.
- **Nonflammable** like POLYFLON PTFE and NEOFLON FEP.
- **Excellent weather resistance**. No properties change even when exposed outside for a long time.

General physical properties

Item	Unit	Value	Test Method
MFR	g/10min	7.2	ASTM D 3307 Compliant
Melting Point	°C	303	DSC
Specific Gravity	-	2.14	ASTM D 792 Compliant
Tensile Strength	MPa	32	ASTM D 1708 Compliant
Elongation	%	350	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

For more information, visit our website.

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