

Fluoropolymer NEOFLON PFA AP-231SH

TECHNICAL DATASHEET

NEOFLON PFA AP-231SH is a high purity PFA with fully fluorinated. It is excellent in melt processability and stress crack resistance. It is used for chemical supply tubing at semiconductor factories.

Introduction

- **AP-231SH** is a copolymer of tetrafluoroethylene and perfluoroalkylvinylether.
- High purity PFA with terminal groups fully fluorinated.
- **Good melt flowability** while maintaining excellent properties of PTFE. It can be melt-molded as a thermoplastic resin by **extrusion molding**.
- Suitable for extrusion molding and transfer molding. It is used for **tubes, sheets and valve lining applications**.
- **Less fluoride ions** due to the fluorinated terminal group.
- It is a PFA with **the best stress crack resistance**.
- **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.
- **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	2.1	ASTM D 3307 Compliant
Melting Point	°C	304	DSC
Specific Gravity	-	2.14	ASTM D 792 Compliant
Tensile Strength	MPa	36	ASTM D 1708 Compliant
Elongation	%	360	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