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 ℃.
− **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	℃	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

For more information, contact us.

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