

DAIKIN-NEOFLON FEP

Chemical Name:	Fluorinated Ethylene Propylene
CAS Registry Number:	25067-11-2
CAS Name:	Perfluoroethylene propylene copolymer

Uses:

Daikin FEP (Fluorinated Ethylene Propylene) molding materials are high performance materials that possess thermal stability, chemical inertness, non-adhesive properties, electrical reliability, long-term weather resistance, high transparency, and flame resistance. Typical uses: Wire and cable coating films and sheets, tubes, small parts, pipe and valve linings and sleeves.

Physical and Chemical Properties:

Daikin FEP is completely inert to attack by most chemicals except at high temperature. It is also susceptible to high-pressure elemental fluorine gas, molten alkali metals, and chlorine tetrafluoride.

Health and Environmental Effects:

Fluoropolymers are known for chemical stability and low reactivity. These materials have demonstrated little if any toxicological activity.

Excessive airborne concentrations of the powder may cause reduced visibility and irritation to the eyes, skin, and upper respiratory track. If smoking, tobacco becomes contaminated by this material, exposure to toxic gases through inhalation can occur.

Exposure Effects of Decomposition Products:

When FEP resins are process at temperatures above 250°C, hydrogen fluoride and other toxic fluorinated compounds may be produced. Inhalation of these compounds may result in serious lung irritation and must be avoided.

Processing Precautions:

Ovens, process equipment and working areas must be adequately ventilated. Proper PPE must be worn. For further information, please refer to the SDS (which is available at daikin-america.com), for the FEP products and the *Guide to the Safe Handling of Fluoropolymer Resins*, published by the Plastics Industry Association, 1425 K Street, NW, Suite 500, Washington, DC, 20005, (phone: 202-974-5200). When molding must be colored, colorants with heat stability above 400°C must be used. Extrusion and injection molding machines with outstanding heat and corrosion resistance are required.

Quality / Regulatory

Daikin FEP pellets comply to the requirements set forth in FDA specification 21 CFR.177.1550, Daikin America's manufacturing facility is registered to ISO-9001 (Quality System), ISO-14001 (Environmental System) and Responsible Care 14001: 2015 (Safety, Health, Environment and Security).

Inventory List

USA/TSCA - Yes, Canada/DSL - Yes, Japan/ENCS - Yes, China/IECSC - Yes, Taiwan/TSCI - Yes, South Korea/KECI - Yes, New Zealand/NZIoC - Yes, Philippines/PICCS - Yes, Australia/AICS - Yes

This product stewardship summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of all health and safety information. Additional information on the chemical is available through the applicable Safety Data Sheet which should be consulted before use of the chemical. The product stewardship summary does not supplant or replace required regulatory and/or legal communication documents. Statements concerning use of our products are made without warranty that any such use is free of patent infringement and not recommendations to infringe any patent.

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