

Daikin FEP film

Fluoropolymer Film

Daikin FEP film is smooth and high-performing non-stretch film, which is formed by melt extrusion with Daikin FEP material.

Daikin FEP film consists of atoms of carbon and fluorine, and has outstanding heat and chemical resistance, nonadhesion, and nonflammability. It also possesses fabricating characteristics, including heat sealing, thermoforming, welding and heat bonding as well as adhesion (surface treatment items).

General Characteristics

Items	Unit	*NF-0050	Test Method
Average Thickness	μm	50	-
Specific Gravity	-	2.12~2.17	ASTM D1505
Melting Point	°C	270	-
Maximum Temperature for Continuous Use	°C	200	-
Coefficient of Thermal Conductivity	J/s•cm•°C	2.5×10^{-3}	ASTM C177
Tensile Strength	MPa	31.8/33.5	ASTM D882
Elongation (MD/TD)	%	352/388	ASTM D882
Heat Shrinkage Rate (MD/TD)	%	-0.8/-0/7	ASTM D3595-97 200°C x 10mim
Critical Oxygen Index	Vol%	>95	ASTM D2863

*Values shown are for Daikin FEP Film of 50 μm thickness

Handling Method / Safety Information

Be sure to read the cautionary statement written on the MSDS and label before you use. These products are for general industries, and we cannot assure their adequacy as a material for medical purposes.

Packaging

The product is rolled on a paper core, hung with a protector at both ends, and packed in a carbon box. Daikin FEP film meets your needs with a varied selection from 12 to 2400 m.

We also have surface treatment types for single- and double-sided processing, so please consult us.