Product Information

Fluoropolymer Film

NEOFLON$_{TM}$ PCTFE Film

NEOFLON PCTFE film is a plastic film which excels in terms of water vapor barrier property, transparency, chemical resistance, and electrical insulation property. It possesses optimal moisture prevention properties in all kinds of plastics.

It also excels in transparency, realizing a value of less than 1% Haze. It has superior chemical resistance as well, ensuring a solution of acid, alkali and organic for a long time.

1. General characteristics

Items	Unit	* DF-0050C1	Test method
Average thickness	μm	50	-
Specific gravity	-	2.12	ASTM D 1505
Haze value	%	0.30	-
Maximum temp. for continuous use	°C	210	DSC method
Coefficient of thermal conductivity	J/s·cm·°C	$(2.0\sim2.2)\times10^{-3}$	ASTM C177
Tensile strength (MD/TD)	MPa	49.8/49.5	ASTM D882
Elongation(MD/TD)	%	199/279	ASTM D882
Heat shrinkage rate (MD/TD)	%	4.1/-3.4	ASTM D3595-97 150°C×10 min
Critical oxygen index	vol%	>95	ASTM D2863
Water vapor permeability	g/m^2·d	0.11	ASTM D1249-90

* Value shown are for NEOFLON PCTFE Film of 50μm thickness

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2. 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 or safety as material for medical purposes.

3. Packaging

Product is rolled on a paper core, hung with a protector at both ends, and packed in a carbon box. NEOFLON PCTFE film meets your needs with a varied selection from 15μm to 75μm.

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