

PTFE is a high-end fluoropolymer with wide temperature range, excellent chemical inertness and low water absorption

ISO	PTFE polytetrafluoroethylene
Shape	Sheet
Color	White
Temperature Range	-100 and 250 °C
Density	2160 kg/m ³
Hardness	54 Shore D
Elongation at break	200 %
Tensile strength	20 N/mm ²
Flame Resistance (UL 94)	V-0

Material information

PTFE is a low friction coefficient material. Very wide temperature range and excellent chemical resistance. In addition, PTFE is flame extinguishing and good electrical insulation. The material is also food safe

Usage examples

Among other things, as seals in pipes for transporting chemicals.

Processing

Measurement tolerance 2768-mK



FDA

European Food Grade according to EC 1935:2004 USA Food Grade under FDA

Petrol	Oil	Water	Drinking water	Wear resistance	Acids	Alkali	Base
Moderate	Good	Good	Good	Low	Good	Good	Good

Item Overview

Item Code	Item Name	Width (mm)	Length (mm)
60500000	PTFE folie 0,15 mm		
60500001	PTFE folie (+/- 0,02 mm) 0,175 mm		
60500002	PTFE folie 0,20 mm		
60500005	PTFE folie 0,5 mm	1.200	20.000
60500007	PTFE folie 0,75 mm	1.200	250.000
60500008	PTFE folie 0,8 mm		
60500010	PTFE folie 1 mm	120	20.000
60500015	PTFE 1,5 mm		
60500020	PTFE 2 mm		
60500030	PTFE 3 mm		
60500040	PTFE 4 mm		



60500050	PTFE 5 mm	
60500060	PTFE 6 mm	
60500080	PTFE 8 mm	
60500100	PTFE 10 mm	
60500120	PTFE 12 mm	
60500150	PTFE 15 mm	
60500200	PTFE 20 mm	
60500250	PTFE 25 mm	
60500300	PTFE 30 mm	
60500350	PTFE 35 mm	
60500400	PTFE 40 mm	
60500450	PTFE 45 mm	
60500500	PTFE 50 mm	
60500600	PTFE 60 mm	
60500700	PTFE 70 mm	
60500800	PTFE 80 mm	

Water absorption

The extent to which the product absorbs water when tested for 24 hours in water at 23 degrees in accordance with ISO 63.

Immersion Saturation

0,010 % 0,010 %

Electrical properties

Tests related to the electrical resistivity and conductivity of the material.

Electric strength Volume resistance Surface resistance

IEC 60243-1 0 kV/mm ASTM D257 >10E 18 Ohm.cm ASTM D257 >10E 17 Ohm/sq.

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