SCARB

World class cutting Tools

TEFLON

Product Catalog

GERMANY

Teflon Rods & Sheets

Teflon Rods & Sheets

PTFE is the product of bearing the heat . Bearing the low temperature , Bearing to decay , Bearing to wear away, Bearing the high pressure . Ii is extensive applied to the national defense electronics . agrochemical .Medicine .machine Chemical engineering …etc. The operation usage.

The physics function of PTFE : (70% Virgin + 30% Recycle)

Teflon Sheets 1Mtr X 10 Mtr

Size
1mm
2mm
3mm

Teflon Sheets 1Mtr X 1Mtr

Size	
0.5mm	16mm
1mm	20mm
1.5mm	25mm
2mm	30mm
2.5mm	40mm
3mm	50mm
4mm	
5mm	
6mm	
8mm	
10mm	
12mm	

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Technical Data

Item	Unit	Value
Content of PTFE	%	70
Content of Glass etc	%	30
Color	Pure White	
Density of Sheet	G/cm cubic	2.25
Density of Rod	G/cm cubic	2.2
Density	G/cm^3	2.1-2.3
Tensile	Kg/cm^2	250
Elongation ratio	%	345
Friction Coefficient		0.07
Temperature	°C	-160 to +280
Impact	$Kg.cm/cm^2$	⩾13
Hardness	Shore D	55-65
Impact	Kg/cm^2	>13
BH	Kg/cm	4.54
Coefficient of thermal conductivity	KC/m.h	0.21
Linear expansion cofficient	-100 °C -50-0 °C 0-50 °C 50-100 °C 100-150 °C 150-200 °C 200-250 °C	1.09×10^{-4} 1.13×10^{-4} 1.23×10^{-4} 1.14×10^{-4} 1.365×10^{-4} 1.69×10^{-4} 2.165×10^{-4}
Volume compare to resistance	Ohm cm	⩾10
Surface compare to resistance	Ohm	⩾10
Electrolutic loss by angular 10 cycle		1.8-2.2
Dielectric loss by angular 10 cycle		$\leqslant 2.5\times10^{-4}$
Combustibility		Un-combustibility
Climate resistant		Fine
Speaking Voltage intersity by DC	KV/MM (46) Gm	⩾ 60