



## Mill Test Certificate of PTFE Rod and Sheet

### 1. Polytrafluoroethylene(PTFE) for OSCG IP washer


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

### 2. The physics function of PTFE

Item	Unit	Value
Content of PTFE	%	100
Content of Glass, etc	%	0
Colour	Pure White	
Density of Sheet	G/cm cubic	2.35
Density of Rod	G/cm cubic	2.3
Density	G/cm	2.1-2.3
Tensile	kg/cm	≥200
Elongation ratio	%	≥250
Friction Coefficient		0.07
Temperature	degreeC	-160
Impact	Kg.cm/cm <sup>2</sup>	≥13
Hardness	shore D	55-65
Impact	Kg.cm/cm <sup>2</sup>	≥13
BH	Kg/cm	4.54
Coefficient of thermal conductivity	KC/m h	0.21
Linear expansion coefficient	-100°C	1.09 x 10 <sup>-4</sup>
	-50-0°C	1.13 x 10 <sup>-4</sup>
	0-50°C	1.23 x 10 <sup>-4</sup>
	50-100°C	1.14 x 10 <sup>-4</sup>
	100-150°C	1.365 x 10 <sup>-4</sup>
	150-200°C	1.69 x 10 <sup>-4</sup>
	200-250°C	2.165 x 10 <sup>-4</sup>
volume compare to resistance	Ohm cm	≥10
Surface compare to resistance	Ohm	≥10
Electrolitic loss by angular 10 cycle		1.8-2.2
Dielectric loss by angular 10 cycle		≤2.5 x 10 <sup>-4</sup>
Combustibility		Un-combustibility
Climate resistant		Fine
Speaking Voltage intersity by DC	KV/MM(46) Gm	≥60

Certificate issued by :  
 OSCG CO., LTD  
 #416-2, Samrak-Dong  
 Sasang-Gu, Busan, Republic of Korea.

Approved by Quality Control Devision

  
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 Engineer, Ho Seok Park