

## PROPERTIE OF STYLE - 62 P.T.F.E. GLAND PACKING

1. Description : P.T.F.E. GRAPHITE PACKING
2. Ingredient : Poly tetra Fluoro Ethylene (PTFE Yarn)  
Silicon Oil Graphite
3. Construction : A special grade of PTFE bonded & coated with high quality graphite and lubricated with an Inert high temperature lubricant.

### Properties of P.T.F.E. Fine Powder:

Properties	Test Method	Unit	Nominal Value
<b>Powder Properties</b>			
Bulk Density	ASTM D 4895	g/l	500
Average particle size (d <sub>50</sub> )	ASTM D 4895	µm	525
<b>Processing</b>			
Extrusion pressure (Reduction ratio 400:1)	ASTM D 4895	MPa (psi)	35 (5076)
<b>Mechanical Properties</b>			
Std. specific gravity (SSG)	ASTM D 4895	-	2.175
Tensile Strength	ASTM D 4895	Mpa (psi)	33 (4786)
Elongation	ASTM D 4895	%	330

### Properties of P.T.F.E. Dispersion:

Properties	Test Method	Unit	Nominal value
Solid content (% PTFE resin by weight)	ASTM D4441/DIN EN ISO 12086	%	60
Surfactant content on PTFE solids	ASTM D4441/DIN EN ISO 12086	%	6
Specific gravity	ASTM D4441/DIN EN ISO 12086	-	1.51
Average particle size	INTERNAL	Nm	230
pH of dispersion	ASTM E70/DIN ISO 976	-	>9.5

### Service Parameters :

Service Parameters :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm <sup>2</sup>	Mtrs/Sec
	-240 to +300	0-14	350	25

### Properties of Silicon Oil

1. Silicon Content :100%
2. Specific Gravity :0.99 – 1.01
3. Viscosity @ 25 °C :1000 +/- 100 CST
4. Acidity :10 ppm
5. Appearance :Water White
6. Flash Point :304 °C

### Properties of Graphite

1. Graphite : 99% PURE

KOHINOOR, CROWN & COOPER PTFE TAPE,  
 KOHINOOR NON-ASBESTOS PACKINGS  
 & EXPANDED PTFE GASKET

