

PROPERTIE OF STYLE - 61 P.T.F.E. GLAND PACKING

1. Description : P.T.F.E. PACKING
2. Ingredient : Poly tetra Fluoro Ethylene (PTFE Yarn)
Silicon Oil Graphite
3. Construction : PTFE coated with graphite and lubricated with an inert high Temperature lubricant.

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

Properties	Test Method	Unit	Nominal Value
Powder Properties			
Bulk Density	ASTM D 4895	g/l	500
Average particle size (d ₅₀)	ASTM D 4895	µm	525
Processing			
Extrusion pressure (Reduction ratio 400:1)	ASTM D 4895	MPa (psi)	35 (5076)
Mechanical Properties			
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 ²	Mtrs/Sec
	-240 to +300	0-14	300	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

