

PROPERTIES OF KOHINOOR STYLE – 50 P.T.F.E. GLAND PACKING

1. Description : P.T.F.E. PACKINGS
2. Ingredient : Poly tetra Fluoro Ethylene (PTFE Unsinter Yarn)
(Silicon Oil)
3. Construction : Braided Packing made from a special grade of PTFE inbuilt 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

Service Parameters :

Service Parameters :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/Sec
	-240 to +260	0-14	75	5

Properties of Silicon Oil

1. Silicon Content : 100%
2. Specific Gravity : 0.967 – 0.975
3. Viscosity @ 25 °C : 1000 +/- 50 CST
4. Appearance : Water White
5. Flash Point : 304 °C

