

## **PROPERTIES OF STYLE - 12 SQUARE P.T.F.E. UNIVERSAL SOFT PACKING**

1. Description : P.T.F.E. PACKINGS
2. Ingredient : Poly tetra Fluoro Ethylene (PTFE Unsinter)  
Silicone Oil
3. Construction : Extruded soft packing made from PTFE and high temperature  
Lubricant. Available in Square and Round section.

### **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

### **Service Parameters:**

Service Parameters	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm <sup>2</sup>	Mtrs/Sec
	-100 to +260	0-14	20	4

### **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

