

## TO WHOM SO EVER IT MAY CONCERN

### PROPERTIE OF STYLE - 71 ARAMID PACKING

- |                 |   |  |
|-----------------|---|--|
| 1. Description  | : | PURE ARAMID PACKING  |
| 2. Ingredient   | : | PTFE Dispersion, ARAMID (Kevlar) Yarn  |
| 3. Construction | : | High Strength organic aramid (aromatic polyamide) synthetic yarn<br>Impregnated with PTFE and lubricated with a special high<br>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

**Properties of Aramid (Kevlar)**

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|-----------------------------|---|-----------|
| 1. Relative Density         | : | 1.44 g/cc |
| 2. Minimum tensile strength | : | 2920 Mpa  |
| 3. Elongation at break      | : | 3.6 %     |

**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          |



**Service Parameters** :

Service Parameters :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm <sup>2</sup>	Mtrs/Sec
	-240 to +260	2-12	250	12