

## Process Technologies Inc Tyflur™ 1000 Sanitary Gasket

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

### Material Notes:

Tyflur 1000 is a chemically modified version of PTFE that provides much improved sealing capabilities while maintaining the property characteristics consistent with virgin PTFE material. Tyflur's chemical inertness and extremely low level extractables combined with its superior stress relaxation and low deformation characteristics make it an ideal gasket and seal material for the pharmaceutical and biotechnology industries. Clamp gaskets made from Tyflur 1000 provide a much higher level of performance when compared to conventional PTFE products used in pharmaceutical and hygienic applications. They also perform better in applications with frequent thermal cycling or vibration. Tyflur gaskets prevent intrusion into pipe fittings and do not create issues related to flow restrictions or cross contamination. The broad capabilities of Tyflur gaskets allows for gasket inventory reduction. Tyflur 1000 is FDA and USP Class VI (toxicity) compliant. Information provided by Process Technologies Inc

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Process-Technologies-Inc-Tyflur-1000-Sanitary-Gasket.php](http://www.lookpolymers.com/polymer_Process-Technologies-Inc-Tyflur-1000-Sanitary-Gasket.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.18 g/cc	2.18 g/cc	ASTM D1457
Deformation	3.2 % @Pressure 138 MPa, Temperature 26.0 °C	3.2 % @Pressure 20000 psi, Temperature 78.8 °F	ASTM D621

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	34.5 MPa	5000 psi	ASTM D1457
Elongation at Break	450 %	450 %	ASTM D1457

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 °C	500 °F	
Minimum Service Temperature, Air	-128 °C	-198 °F	

Descriptive Properties	Value	Comments
Color	White	
Compatibility for Chemicals	Acetone	Excellent
	Ammonia	Excellent
	Hydrochloric Acid	Excellent
	Hydrofluoric Acid	Excellent

Descriptive Properties	Hydrogen Peroxide Value	Excellent Comments
	Isopropyl Alcohol	Excellent
	Nitric Acid	Excellent
	Phosphoric Acid	Excellent
	Sodium Hydroxide	Excellent
	Sodium Hypochlorite	Excellent
	Steam to 400°F (204°C)	Limited
	Sulfuric Acid	Excellent

## Contact Songhan Plastic Technology Co.,Ltd.

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