

## PTFE - GLASS FILLED (BLUE)

### DESCRIPTION

**GLASS FILLED PTFE** is a structured PTFE - Gasket - Sheet manufactured by a unique process which provides a high level of fibrillation to overcome the creep relaxation and cold flow problems associated with normal (skived or molded) PTFE sheets. This style is produced from virgin PTFE resin filled with hollow glass micro spheres.

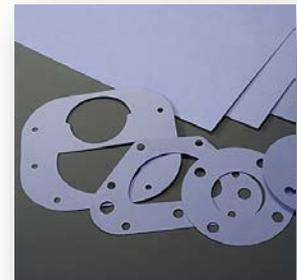


### APPLICATION / SERVICE

**GLASS FILLED PTFE** is suitable for service with a wide variety of aggressive fluids, including hydrocarbons, acids, solvents, water, steam, hydrogen-peroxide, refrigerants, etc. The high compressibility of this style makes it particularly suitable for use with stress sensitive and/or fragile flanged joints, e.g. glass, ceramics, plastic, etc. The gasket material was tested to be in conformance per FDA requirement Method 21 CFR177.2260

### AVAILABILITY

**GLASS FILLED PTFE** is available in sheets of 59" x 59" (1500mm x 1500mm) with a thickness of 1/16" or 1/8".



### SERVICE LIMITS

Type	Description	Value
Temperature	Minimum	-350°F (-210°C)
	Maximum	500°F (260°C)
Pressure	Maximum	800 psig (55 bar)
Color	blue	
pH		0-14
P x T* max		350,000 (12,000)**
		250,000 (8,600)***

\* P x T = psig x °F ( bar x °C )

\*\* Based on 1.5mm sheet thickness

### TYPICAL PHYSICAL PROPERTIES

ASTM Test Method*	Property	Value
ASTM F36 A	Compressability Range (%)	30-50
ASTM F36 A	Recovery (%)	30
ASTM 152	Tensile Strength (MPa)	14
ASTM D792	Specific Gravity (g/cm3)	1.70
ASTM F38	Creep Relaxation (%)	40
ASTM F37 A	Sealability (ml/h @ .7 bar)	0.12
DIN 3535	Sealability (cm3/min)	<.015

\*\*\* Based on 3.0mm sheet thickness

## PTFE – SILICA FILLED (FAWN)

### DESCRIPTION

**SILICA FILLED PTFE** is a structured PTFE - Gasket - Sheet manufactured by a unique process which provides a high level of fibrillation to overcome the creep relaxation and cold flow problems associated with normal (skived or molded) PTFE sheets. This style is produced with virgin PTFE resin filled with Silica.



### APPLICATION / SERVICE

**SILICAFILLED PTFE** is suitable for service with a wide variety of aggressive fluids, including hydrocarbons, acids, solvents, water, steam, hydrogen-peroxide, refrigerants, etc. The high compressibility of this style makes it particularly suitable for use with stress sensitive and/or fragile flanged joints, e.g. glass, ceramics, plastic, etc. The gasket material was tested to be in conformance per FDA requirement Method 21 CFR177.2260

### LISTED BY CHLORINE INSTITUTE PAMPHLET 95

### AVAILABILITY

**SILICA FILLED PTFE** is available in sheets of 59" x 59" (1500mm x 1500mm) with a thickness of 1/16" or 1/8".



### SERVICE LIMITS

Type	Description	Value
Temperature	Minimum	-350°F (-210°C)
	Maximum	500°F (260°C)
Pressure	Maximum	800 psig (55 bar)
Color	blue	
pH		0-14
P x T* max		350,000 (12,000)**
		250,000 (8,600)***

\* P x T = psig x °F ( bar x °C )

\*\* Based on 1.5mm sheet thickness

### TYPICAL PHYSICAL PROPERTIES

ASTM Test Method*	Property	Value
ASTM F36 A	Compressability Range (%)	30-50
ASTM F36 A	Recovery (%)	30
ASTM 152	Tensile Strength (MPa)	14
ASTM D792	Specific Gravity (g/cm <sup>3</sup> )	1.70
ASTM F38	Creep Relaxation (%)	40
ASTM F37 A	Sealability (ml/h @ .7 bar)	0.12
DIN 3535	Sealability (cm <sup>3</sup> /min)	<.015

\*\*\* Based on 3.0mm sheet thickness

## PTFE – BARIUM SULFITE FILLED (OFF-WHITE)

### DESCRIPTION

**BARIUM SULFITE FILLED PTFE** is a structured PTFE - Gasket - Sheet manufactured by a unique process which provides a high level of fibrillation to overcome the creep relaxation and cold flow problems associated with normal (skived or molded) PTFE sheets. This style is produced with virgin PTFE resin filled with Silica.



### APPLICATION / SERVICE

**BARIUM SULFITE PTFE** is suitable for service with a wide variety of aggressive fluids, including hydrocarbons, acids, solvents, water, steam, hydrogen-peroxide, refrigerants, etc. The high compressibility of this style makes it particularly suitable for use with stress sensitive and/or fragile flanged joints, e.g. glass, ceramics, plastic, etc. The gasket material was tested to be in conformance per FDA requirement Method 21 CFR177.2260

### LISTED BY CHLORINE INSTITUTE PAMPHLET 95

### AVAILABILITY

**SILICA FILLED PTFE** is available in sheets of 59" x 59" (1500mm x 1500mm) with a thickness of 1/16" or 1/8".



### SERVICE LIMITS

Type	Description	Value
Temperature	Minimum	-350°F (-210°C)
	Maximum	500°F (260°C)
Pressure	Maximum	800 psig (55 bar)
Color	blue	
pH		0-14
P x T* max		350,000 (12,000)**
		250,000 (8,600)***

\* P x T = psig x °F ( bar x °C )

\*\* Based on 1.5mm sheet thickness

### TYPICAL PHYSICAL PROPERTIES

ASTM Test Method*	Property	Value
ASTM F36 A	Compressability Range (%)	30-50
ASTM F36 A	Recovery (%)	30
ASTM 152	Tensile Strength (MPa)	14
ASTM D792	Specific Gravity (g/cm <sup>3</sup> )	1.70
ASTM F38	Creep Relaxation (%)	40
ASTM F37 A	Sealability (ml/h @ .7 bar)	0.12
DIN 3535	Sealability (cm <sup>3</sup> /min)	<.015

\*\*\* Based on 3.0mm sheet thickness