

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.

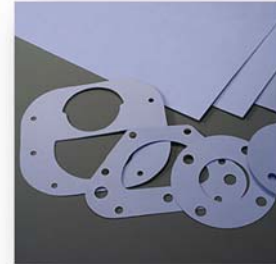


APPLICATION / SERVICE

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/cm ³)	1.70
ASTM F38	Creep Relaxation (%)	40
ASTM F37 A	Sealability (ml/h @ .7 bar)	0.12
DIN 3535	Sealability (cm ³ /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

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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 ³)	1.70
ASTM F38	Creep Relaxation (%)	40
ASTM F37 A	Sealability (ml/h @ .7 bar)	0.12
DIN 3535	Sealability (cm ³ /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 ³)	1.70
ASTM F38	Creep Relaxation (%)	40
ASTM F37 A	Sealability (ml/h @ .7 bar)	0.12
DIN 3535	Sealability (cm ³ /min)	<.015

*** Based on 3.0mm sheet thickness