



Innovations in Fluid Sealing



TECHNICAL DATA SHEET

INFILON GLASS FILLED PTFE SHEET INMARCO TYPE 602

Description:

TYPE 602 is a Virgin PTFE with 15% - 25% Glass Filler enhances the properties of Virgin PTFE like creep resistance, enhanced chemical stability & wear resistance.

Operational Parameters:

Properties	Test Method	Unit	Values	
MECHANICAL				
Density	ASTM D 792	gm/cc	2.15 – 2.22	
Tensile Strength	ASTM D 638	kgf/cm ²	180 – 260	
Elongation @ Break	ASTM D 638	%	225 – 325	
Compressive Strength	ASTM D 695	kgf/cm ²	65 – 75	
Compressive Modulus	ASTM D 695	kgf/cm ²	5500 – 6000	
Hardness	ASTM D 2240	Shore D	55 - 63	
Continuous service temp. @ atmospheric pressure	ASTM D 648	°C	-250 TO +260	
THERMAL				
Thermal Conductivity (max.)	ASTM D 5930	10 ⁻¹ cal cm S°C	8	
Linear Thermal Expansion (max.)	ASTM D 696	%	Axial	Radial
30 – 150°C			1.5	1.0
30 – 200°C			2.3	1.8
30 – 250°C			3.3	2.2
ELECTRICAL				
Dielectric Strength	ASTM D 149	Kv/mm	15 – 16	
Volume Resistivity	ASTM D 257	ohm cm	>10 ¹⁵	
Surface resistivity	ASTM D 258	ohm	>10 ¹⁵	
Water Absorption (max.)	ASTM D 570	%	0.015	
CHEMICAL				
Permeability	ASTM D 543	%	0.01	

Recommendations:

- ✚ High compressive strength.
- ✚ Better wear resistance.
- ✚ Excellent chemical resistance.

Availability:

Sheet size : 1000mm x 1000mm
: 1500mm x 1500mm

Thickness : 0.5mm, 1mm, 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm

All information and recommendations given in this technical data sheet are correct to the best of our knowledge. However, in view of the wide variety of application and operating conditions one cannot draw the final conclusion in all application cases regarding the behavior of compounds. The above information can only serve as a guideline.

INMARCO FZC

P.O. Box 120284, Sharjah Airport International Free Zone (SAIF-Zone), Sharjah, UAE

Tel. No.: +971 6 5578378 Fax No.: +971 6 5578948

Email: info@inmarco.ae Web.: www.inmarco.ae