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Zelux® GF



Zelux® M GF is a machine grade glass reinforced polycarbonate (PC) with glass loadings from 10% to 40%. These products offer excellent dimensional stability, and greater strength and stiffness at both room and elevated temperatures when compared to unfilled polycarbonate. These products have good insulating properties.

INDUSTRY











Engineering

COLORS AVAILABLE



Black

ATTRIBUTES

 Dimensional Stability	
 Strength	
 Heat Resistant	
 Stiffness	

SHAPES

Compression Sheet	
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TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
Mechanical			
Tensile Strength @ Yield	D638	9.6 psi	66 Mpa
Tensile Strength @ Break	D638	8 psi	55 Mpa
Tensile Elongation @ Yield	D638	8%	8%
Tensile Elongation @ Break	D638	15%	15%
Flexural Strength	D790	14.9 psi	103 Mpa
Flexural Modulus	D790	499 psi	3440 Mpa
Izod Impact Resistance - Notched	D256	2 ft-lb/in	0.11 kJ/m
Izod Impact Resistance - Unnotched	D4812	40 ft-lb/in	2.1 kJ/m
Thermal			
HDT @ 64 psi	D648	295°F	146°C
HDT @ 264 psi	D648	288°F	142°C
Physical			
Specific Gravity	D792	1.25	1.25
Moisture Absorption	D570	0.12%	0.12%

*Data above is based on testing of injection molded test specimens



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PRODUCT SHAPES & DIMENSIONS

Compression Sheets: 48"W x 24"L (122cm x 61cm)

0.25" (6.35mm)	0.375" (9.53mm)	0.5" (12.7mm)	0.75" (19.05mm)	1.0" (25.4mm)	1.25" (31.75mm)
1.5" (38.1mm)	1.75" (44.45mm)	2.0" (50.8mm)			

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