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# Zelux® M 20% G/F



Zelux® M 20% G/F is a machine grade 20% glass reinforced polycarbonate (PC). This product offer excellent dimensional stability, and greater strength and stiffness at both room and elevated temperatures when compared to unfilled polycarbonate.

### INDUSTRY




Engineering

### COLORS AVAILABLE



Black


### ATTRIBUTES

-  Stiffness ✓

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-  Strength ✓

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-  Heat Resistant ✓

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-  Dimensional Stability ✓

### SHAPES

- Compression Sheet ✓



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## TYPICAL PROPERTIES

PROPERTY	ASTM TEST METHOD	ENGLISH UNITS	METRIC UNITS
<b>Mechanical</b>			
Tensile Strength @ Break	D638	16 kpsi	110 Mpa
Tensile Elongation @ Break	D638	5%	5%
Flexural Strength	D790	19 kpsi	131 Mpa
Flexural Modulus	D790	799 psi	5510 Mpa
Izod Impact Resistance - Notched	D256	2 ft-lb/in	0.11 kJ/m
Izod Impact Resistance - Unnotched	D4812	19 ft-lb/in	1.0 kJ/m
<b>Thermal</b>			
HDT @ 64 psi	D648	298°F	148°C
HDT @ 264 psi	D648	295°F	146°C
<b>Physical</b>			
Specific Gravity	D792	1.36	1.36
Moisture Absorption (24hr, 73F)	D570	0.16%	0.16%
<b>Electrical</b>			
Volume Resistivity	D257	> 1.0E+17 ohms-cm	> 1.0E+17 ohms-cm
Dielectric Strength (0.126 in. in air) D149		490 V/mil	19kV/mm

\*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)			

LAST REVISED: 03/20/2025

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