



P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Tempalux® GF20



Tempalux® GF20 is a 20% glass reinforced Polyetherimide (PEI). This product offers high dielectric strength, excellent strength at elevated temperatures, high modulus, and broad chemical resistance. With 20% glass fiber reinforcement the product offers increased tensile strength, stiffness, and dimensional stability over unfilled Tempalux® PEI.

INDUSTRY



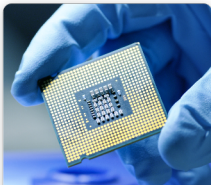
Aerospace & Defense



Chemical Process



Engineering



Semiconductor and ESD

COLORS AVAILABLE



Natural

ATTRIBUTES

-  Dimensional Stability ✓

-  Heat Resistant ✓

-  Dielectric Properties ✓

-  Chemical Resistance ✓

-  Strength ✓

-  Stiffness ✓

SHAPES

- Compression Sheet ✓



P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Tempalux® GF20

TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
Mechanical			
Flexural Modulus	D790	999 kpsi	6890 MPa
Flexural Strength - Break	D790	32.9 kpsi	227 MPa
Izod Impact Resistance - Notched	D256	1.19 ft-lb/in	64 J/m
Tensile Elongation @ Break	D638	4.00 %	4.00 %
Tensile Modulus	D638	999 kpsi	6,890 MPa
Tensile Strength @ Break	D638	18.9 kpsi	131 MPa
Thermal			
HDT @ 264 psi	D648	410 °F	210 °C
HDT @ 64 psi	D648	410 °F	210 °C
Physical			
Moisture Absorption	D570	0.19 %	0.19 %
Specific Gravity	D792	1.42	1.42
Electrical			
Volume Resistivity	D257	309 ¹² ohm-ft	10 ¹² ohm-cm

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



P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Tempalux® GF20

PRODUCT SHAPES & DIMENSIONS

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

0.375" (9.53mm)

0.5" (12.7mm)

0.75" (19.05mm)

LAST REVISED: 01/30/2025

This information is offered solely for your consideration, examination and verification, and is to be construed neither as a warranty nor guarantee that the same results as those stated herein will be obtained by the use to which others may put the material. Each user of the material should make his own tests to determine the characteristics and suitability of the material for his own particular use and the use which will be made of the completed product. This publication is not to be taken as a license to operate under, or a recommendation to infringe any patents. The observance of all legal regulations and patents is the responsibility of the user. The buyer's exclusive remedy against the seller shall be for the repair or replacement of defective stock. No other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or other incidental or consequential loss) shall be available to the buyer.

EXCLUSION OF WARRANTIES: THERE ARE NO WARRANTIES AS TO THE MATERIAL DESCRIBED HEREIN, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. ANY VALUES STATED IN SELLER'S LITERATURE ARE TYPICAL PROPERTIES ONLY.