



Polyetherimide - ESD

WESTLAKE
PLASTICS COMPANY

Tempalux CN-F® (conductive polyetherimide)

Non-sloughing carbon-fiber-filled material which is extremely strong and stiff, has excellent dimensional stability, and high temperature resistance to 415° F. This material has broad chemical resistance and excellent fabrication finishing characteristics. UL94 V-0 rated. The following physical property information is based on typical values of the resin.

Applications Include:

- Semiconductor/electronic components
- Hard disk drive assembly fixtures
- Aerospace test equipment

Manufacturing Capabilities:

Sheet: 3/8" to 4" thick

Colors/Grades:

Black

*In addition to our standard capabilities, Westlake also has the ability to process custom resins in various sizes and colors with some exceptions.

Advantages of Tempalux CN-F:

- Tight conductivity range
- Economical to competitive products
- Excellent high heat compatibility
- Superior strength and stiffness
- Excellent dimensional stability
- UL 94 V-0 rated
- Non-sloughing

	Units	ASTM Test	Result
Mechanical			
Tensile strength @yield	psi	D638	29,000
Tensile elongation @break	%	D638	2.0
Flexural strength	psi	D790	38,000
Flexural modulus	psi	D790	1,860,000
Izod impact strength			
Notched	ft•lbs/in	D256	1.4
Un-Notched	ft•lbs/in	D256	7.5
Hardness-Shore D		D2240	92
Thermal			
Heat deflection temperature			
@264 psi	°F	D648	417
Coefficient of thermal expansion	in/in/°F	D696	2.2 x 10 ⁻⁵
Flammability rating-UL94 @.058"			V-0
Electrical			
Surface resistivity dry	ohm/sq	D257	10 ⁴ - 10 ⁵
Volume resistivity dry	ohm/cm	D257	10 ⁴ - 10 ⁵
Other			
Specific gravity	-	D792	1.34
Water absorption @24 hours	%	D570	0.45

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