



PROPYLUX® CN-F

Conductive PolyPropylene / Conductive PP



** PROPYLUX® is the registered trademark of

**WESTLAKE PLASTICS
COMPANY**

PRODUCT CAPABILITIES:

- Heavy Gauge Sheet : 1/4" - 2

ADVANTAGES:

- Non-Sloughing
- Carbon Fiber Filled
- Good Chemical Resistance
- High Strength And Stiffness
- Good Temperature Resistance To 121°C
- Light Weight, Easily Machined And Fabricated
- Good Mechanical Properties

PRODUCT COLORS:

- Black

APPLICATIONS INCLUDE:

- Transfer Pallet
- Equipment In The Electrical/ Electronic Or Semiconductor Industry

| GENERAL PROPERTIES | ASTM or UL Test | PROPYLUX® CN-F Typical Values |
|---|-----------------|-----------------------------------|
| PHYSICAL | | |
| Specific Gravity (g/cm ³) | D792 | 0.98 |
| Water Absorption, 24 hrs (%) | D570 | 0.01 |
| MECHANICAL | | |
| Tensile Strength (psi) | D638 | 9,500 |
| Tensile Elongation at Yield (%) | D638 | 2.5 |
| Flexural Strength (psi) | D790 | 11,000 |
| Flexural Modulus (psi) | D790 | 750,000 |
| IZOD Notched Impact (ft-lb/in) | D256 | 1.1 |
| IZOD Un-Notched Impact (ft-lb/in) | D256 | 4.5 |
| Hardness, Shore D | D2240 | 63 |
| THERMAL | | |
| Coeff. of Thermal Expansion (x 10 ⁻⁵ in./in./°F) | D696 | - |
| Heat Deflection Temp (°F / °C) @ 264 psi | D648 | 250 / 121 |
| Thermal Conductivity (BTU-in/ft ² -hr-°F) | C177 | - |
| Flammability Rating @ .030" | UL-94 | HB |
| ELECTRICAL | | |
| Surface Resistivity (ohms/sq) | D257 | 10 ² - 10 ⁶ |
| Volume Resistivity (ohm-cm) at 73°F, 50% RH | D257 | 10 ² - 10 ⁶ |
| Static Decay, 15% RH (seconds) | MIL-B-81705-B | < 0.1 |

NOTE: The information contained here in is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.

Pactumax International Pte Ltd

Blk 5, Ang Mo Kio Industrial Park 2A, #01-14, AMK Tech 2, Singapore 567760
Tel: 65 6482 5006 | Fax: 65 6482 5703 | Email: sales@pactumax.com | Website: www.pactumax.com