

Propylux® CN-F

Polypropylene
Westlake Plastics Company

Message:

PROPYLUX® CN-F (Conductive Polypropylene) Non-sloughing, carbon-fiber-filled material with good chemical resistance, high strength and stiffness, and good temperature resistance to 215° F. This material is light weight, easily machined and fabricated, and has good overall mechanical properties.

Advantages:

- Very good chemical resistance
- Easily machined
- Cost effective
- Durable
- Lightweight
- Weldable

Applications:

- Semiconductor/electronic components
- Automotive assembly equipment
- Business machine manufacturing components
- Explosives handling equipment

General Information			
Filler / Reinforcement	Carbon Fiber		
Additive	Antistatic		
Features	Antistatic		
	Durable		
	Good Chemical Resistance		
	High Heat Resistance		
	High Stiffness		
	High Strength		
	Machinable		
	Non-Sloughing		
	Semi Conductive		
Uses	Weldable		
	Automotive Applications		
	Business Equipment		
	Electrical Parts		
	Electrical/Electronic Applications		
Appearance	Black		
Forms	Rod		
	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.978	g/cm ³	ASTM D792

Water Absorption (24 hr)	0.010	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	65.5	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	5170	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	59	J/m	ASTM D256
Unnotched Izod Impact	240	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	121	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+6	ohms	ASTM D257
Volume Resistivity	1.0E+2 to 1.0E+6	ohms·cm	ASTM D257
Static Decay	< 0.1	sec	MIL B-81705
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT