

Absylux® CN-P

Acrylonitrile Butadiene Styrene

Westlake Plastics Company

Message:

Carbon-powder-filled conductive material with high strength and stiffness, and relatively high impact strength. This material is easily machined and fabricated into close tolerance finished parts.

Advantages:

Good strength and stiffness

Cost effective

Easily machined

Good chemical resistance

Durable

Bondable

Applications:

Disk drive assembly fixtures

Semiconductor/electronic components

Electronic component transfer trays

Telecommunications hardware

Automotive equipment

General Information	
Filler / Reinforcement	Carbon Powder
Features	Bondability
	Durable
	Good Chemical Resistance
	High Impact Resistance
	High Stiffness
	High Strength
	Machinable
	Semi Conductive
Uses	Automotive Applications
	Electrical Parts
	Electrical/Electronic Applications
	Telecommunications
Appearance	Black
Forms	Film
	Rod
	Sheet

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength (Yield)	27.6	MPa	ASTM D638
Tensile Elongation (Break)	11	%	ASTM D638
Flexural Modulus	1930	MPa	ASTM D790
Flexural Strength	49.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53	J/m	ASTM D256
Unnotched Izod Impact	720	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°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 - 15% RH	< 0.1	sec	MIL B-81705
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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