



ABSYLUX® CNF / CNP / SDA

Conductive Acrylonitrile-Butadiene-Styrene / Conductive ABS / Anti-Static ABS



** ABSYLUX® is the registered trademark of

WESTLAKE PLASTICS COMPANY

PRODUCT CAPABILITIES:

STOCK SHAPES
· Sheet : 1/4" - 2"

ADVANTAGES:

ABSYLUX® CN-F

- Carbon Fiber Filled
- High Strength And Stiffness
- Good Dimensional Stability

ABSYLUX® CN-P

- High Strength And Stiffness
- Easily Machined

ABSYLUX® SD-A

- Non-Carbon Filled
- Dimensional Stability

PRODUCT COLORS:

- Black (CN-F, CN-P, SD-A)
- Beige (SD-A)

APPLICATIONS INCLUDE:

- Disk Drive Production Fixtures
- Handling Equipment In The Electrical/Electronic Or Semiconductor Industry
- Telecommunication Casing
- Modelling Of Injection Parts

GENERAL PROPERTIES	ASTM or UL Test	ABSYLUX CN-F Typical Values	ABSYLUX CN-P Typical Values	ABSYLUX SD-A Typical Values
PHYSICAL				
Specific Gravity (g/cm ³)	D792	1.14	1.03	1.03
Water Absorption, 24 hrs (%)	D570	0.25	0.3	1.7
MECHANICAL				
Tensile Strength (psi)	D638	17,250	4,000	5,000
Tensile Elongation at Yield (%)	D638	2.5	11	13
Flexural Strength (psi)	D790	23,500	7,200	8,000
Flexural Modulus (psi)	D790	1,450,000	280,000	260,000
IZOD Notched Impact (ft-lb/in)	D256	1.0	1.0	6
IZOD Un-Notched Impact (ft-lb/in)	D256	3.5	13.5	No Break
Hardness, Shore D	D2240	-	-	68
THERMAL				
Coeff. of Linear Thermal Expansion (x 10 ⁻⁵ in./in./°F)	D696	-	-	-
Heat Deflection Temp (°F / °C) @ 264 psi	D648	215 / 102	185 / 85	160 / 71
Thermal Conductivity (BTU-in/ft ² -hr-°F)	C177	-	-	-
Flammability Rating @ .030"	UL-94	HB	HB	HB
ELECTRICAL				
Surface Resistivity (ohms/sq)	D257	10 ² - 10 ⁵	10 ² - 10 ⁶	10 ⁹ - 10 ¹¹
Volume Resistivity (ohm-cm) at 73 °F, 50% RH	D257	10 ² - 10 ⁵	10 ² - 10 ⁶	10 ⁹ - 10 ¹¹
Static Decay, 15% RH (seconds)	MIL-B-81705-B	< 0.1	< 0.1	< 0.3

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.

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