

## Product Data Sheet

### Nemcon™ E ABS 20CF

Nemcon™ E-series products are designed for use in ESDA electronic assembly environments where strict control of ESD and cleanliness are critical. Nemcon™ E ABS 20CF is a high modulus carbon fiber-reinforced ABS with excellent conductivity. It is suitable for a wide variety of injection molding applications, including electronic components, shipping trays, storage racks, electronic housings and work surfaces.

Properties*	Test Std	Unit	Typical Value
Specific Gravity	D 792		1.129
<b>Mechanical</b>			
Tensile Stress @ brk, 50 mm/min	D 638	MPa.	95
Tensile Strain @ brk, 50 mm/min	D 638	%	1.9
Tensile Modulus, 50 mm/min	D 638	MPa.	10500
Flexural Stress @ yld, 1.3 mm/min,	D 790	MPa.	128
Flexural Modulus, 1.3 mm/min,	D 790	MPa.	9535
Izod Impact, notched @ 23°C	D 256	ft-lb/in	0.86
<b>Thermal</b>			
HDT @ 264 psi, 3.2 mm, un-annealed	D 648	°C	98
<b>Electrical Properties</b>			
Surface Resistivity	D 257	Ohms/sq.	2.75E+03

\*All properties are measured after 48 hours of conditioning at 23°C and 50% relative humidity. All samples are prepared according to ASTM standards. Variations within normal tolerances are possible for various types of colors and functional properties like UV resistance.

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