

NEMCON E ABS 20CF

High Density Polyethylene

Ovation Polymers Inc.

Message:

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.

General Information			
Filler / Reinforcement	Carbon Fiber		
Features	Clean/High Purity		
	Conductive		
	ESD Protection		
Uses	Electrical Housing		
	Electrical Parts		
	Electrical/Electronic Applications		
	Support Trays		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (23°C)	10500	MPa	ASTM D638
Tensile Strength ² (Break, 23°C)	95.0	MPa	ASTM D638
Tensile Elongation ³ (Break, 23°C)	1.9	%	ASTM D638
Flexural Modulus ⁴ (23°C)	9540	MPa	ASTM D790
Flexural Strength ⁵ (Yield, 23°C)	128	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	46	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	98.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	2.8E+3	ohms	ASTM D257
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	1.3 mm/min		

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