

Edgetek™ NY-20CF/000 BLACK

Polyamide 6

PolyOne Corporation

Message:

Edgetek™ NY-20CF/000 BLACK is a Polyamide 6 (Nylon 6) product filled with carbon fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

General Information			
Filler / Reinforcement	Carbon Fiber		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.010 to 0.10	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	179	MPa	ASTM D638
Tensile Elongation ² (Break)	2.0	%	ASTM D638
Flexural Modulus	12400	MPa	ASTM D790
Flexural Strength	248	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm, Injection Molded)	53	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Annealed, 1.57 mm	218	°C	
1.8 MPa, Annealed, 1.57 mm	205	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+4	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	93.3 to 107	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	260 to 293	°C	
Mold Temperature	93.3 to 107	°C	
NOTE			
1.	Type I, 5.1 mm/min		
2.	Type I, 5.1 mm/min		

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Recommended distributors for this material

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