

Edgetek™ NN-50GF/000EM L

Polyamide 66

PolyOne Corporation

Message:

Edgetek™ NN-50GF/000EM L is a Polyamide 66 (Nylon 66) product filled with glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Flame Rated

Lubricated

Mold Release Agent

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Lubricant		
	Mold Release		
Features	Lubricated		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.57	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30	%	ASTM D955
Water Absorption (24 hr)	0.50	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	16500	MPa	ASTM D638
Tensile Strength ² (Break)	224	MPa	ASTM D638
Tensile Elongation ³ (Break)	2.0	%	ASTM D638
Flexural Modulus	15200	MPa	ASTM D790
Flexural Strength	317	MPa	ASTM D790
Compressive Strength	185	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm, Injection Molded)	140	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Annealed, 3.18 mm	254	°C	
1.8 MPa, Annealed, 3.18 mm	254	°C	
CLTE - Flow	3.1E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	0.53	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257

Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	82.2 to 93.3	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	282 to 299	°C	
Mold Temperature	87.8 to 107	°C	
NOTE			
1.	Type I, 5.1 mm/min		
2.	Type I, 5.1 mm/min		
3.	Type I, 5.1 mm/min		

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