

Stat-Tech™ NN-40CF/000 FRV0 Natural

Polyamide 66
PolyOne Corporation

Message:
Carbon fiber reinforced, flame retardant PA66 compound.

General Information			
UL YellowCard	E76261-101128756		
Filler / Reinforcement	Carbon Fiber,40% Filler by Weight		
Features	Flame Retardant		
	High Stiffness		
	Semi Crystalline		
Uses	Aerospace Applications		
	Automotive Electronics		
	Business Equipment		
	Computer Components		
	Connectors		
	Consumer Applications		
	Electrical Housing		
	Electrical/Electronic Applications		
	Structural Parts		
UL File Number	E76261		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.020 to 0.060	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	37900	MPa	ASTM D638
Tensile Strength ² (Break)	177	MPa	ASTM D638
Tensile Elongation ³ (Break)	0.70	%	ASTM D638
Flexural Modulus ⁴	24800	MPa	ASTM D790
Flexural Strength ⁵	331	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	68	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	245	°C	ASTM D648

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+4	ohms	ASTM D257
Volume Resistivity	1.0E+2 to 1.0E+4	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-1		
1.50 mm	V-0		
3.00 mm	V-0		
NOTE			
1.	5.1 mm/min		
2.	5.1 mm/min		
3.	5.1 mm/min		
4.	1.3 mm/min		
5.	1.3 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

