

Edgetek™ PP-20GF/000 HS

Polypropylene

PolyOne Corporation

Message:

Edgetek™ PP-20GF/000 HS is a Polypropylene product filled with glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Flame Rated

Heat Stabilizer

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40	%	ASTM D955
Water Absorption (24 hr)	0.010	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	49		
R-Scale	111		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	4000	MPa	ASTM D638
Tensile Strength ² (Break)	48.3	MPa	ASTM D638
Tensile Elongation ³ (Break)	3.0	%	ASTM D638
Flexural Modulus	4000	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Compressive Strength	53.1	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm, Injection Molded)	69	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Annealed, 3.18 mm	149	°C	
1.8 MPa, Annealed, 3.18 mm	138	°C	
CLTE - Flow	4.3E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	0.32	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method

Flame Rating	HB	UL 94
Injection	Nominal Value	Unit
Processing (Melt) Temp	216 to 238	°C
Mold Temperature	26.7 to 48.9	°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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