

General Information			
Product Description			
GF Reinforced (20%); Flame Retardant, Non Br & Non P			
General			
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Additive	• Flame Retardant		
Features	• Bromine Free	• Flame Retardant	• Low (to None) Phosphorus Content
Uses	• General Purpose		
ASTM & ISO Properties ¹			
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow	0.30 to 0.50	%	
Flow	0.10 to 0.30	%	
Water Absorption (Saturation, 23°C)	0.11	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6200	MPa	ISO 527-1/1
Tensile Stress (Break)	104	MPa	ISO 527-2/5
Tensile Strain (Break)	4.0	%	ISO 527-2/5
Flexural Modulus ²	5700	MPa	ISO 178
Flexural Stress ²	153	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	60	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	146	°C	ISO 75-2/B
1.8 MPa, Unannealed	144	°C	ISO 75-2/A
CLTE			ISO 11359-2
Flow	2.6E-5	cm/cm/°C	
Transverse	6.3E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (CTI)	PLC 3		UL 746A
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.75 mm	V-2		
1.5 mm	V-0		



Iupilon™ EGN2020R2
Mitsubishi Engineering-Plastics Corp - Polycarbonate

Processing Information		
Injection	Nominal Value	Unit
Drying Temperature - Hot Air Dryer	120	°C
Drying Time - Hot Air Dryer	4.0 to 8.0	hr
Rear Temperature	280 to 300	°C
Middle Temperature	280 to 300	°C
Front Temperature	280 to 300	°C
Nozzle Temperature	280 to 300	°C
Mold Temperature	80 to 120	°C

