

General Information**Product Description**

For Camera, GF Reinforced (20%); Flame Retardant, Non Br & Non P; Good Surface

General

Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight	
Additive	• Flame Retardant	
Features	• Bromine Free • Flame Retardant	• Good Surface Finish • Low (to None) Phosphorus Content
Uses	• Camera Applications	• Housings

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow	0.25 to 0.45	%	
Flow	0.15 to 0.35	%	
Water Absorption (Saturation, 23°C)	0.11	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	90.0	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ²	5300	MPa	ISO 178
Flexural Stress ²	137	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	40	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	144	°C	ISO 75-2/B
1.8 MPa, Unannealed	139	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.0 mm	V-1		
1.5 mm	V-0		

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



Iupilon™ EGW2020DR 9005
Mitsubishi Engineering-Plastics Corp - Polycarbonate

Injection	Nominal Value	Unit
Middle Temperature	280 to 300	°C
Front Temperature	280 to 300	°C
Nozzle Temperature	280 to 300	°C
Mold Temperature	80 to 120	°C

