

Iupilon™ EGW2010DR 9005

Mitsubishi Engineering-Plastics Corp - Polycarbonate

General Information

Product Description

For Camera, GF Reinforced (10%); Flame Retardant, Non Br & Non P; Good Surface

General

Filler / Reinforcement	• Glass Fiber, 10% 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	1.27	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow	0.30 to 0.50	%	
Flow	0.30 to 0.50	%	
Water Absorption (Saturation, 23°C)	0.14	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	70.0	MPa	ISO 527-2/5
Tensile Strain (Break)	4.8	%	ISO 527-2/5
Flexural Modulus ²	3600	MPa	ISO 178
Flexural Stress ²	120	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	55	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	141	°C	ISO 75-2/B
1.8 MPa, Unannealed	137	°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



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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

