

Iupilon® MB2213R

Polycarbonate

Mitsubishi Engineering-Plastics Corp

General

Features • High Heat Resistance

Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	10	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (250°C/2.16 kg)	10.0	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow: 3.20 mm	0.40 to 0.60	%	
Flow: 3.20 mm	0.40 to 0.60	%	
Water Absorption (Saturation, 23°C)	0.12	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2
Tensile Stress (Yield)	57.0	MPa	ISO 527-2
Tensile Strain (Yield)	4.5	%	ISO 527-2
Nominal Tensile Strain at Break	100	%	ISO 527-2
Flexural Modulus	2600	MPa	ISO 178
Flexural Strength	96.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	60.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	130	°C	ISO 75-2/B
1.8 MPa, Unannealed	109	°C	ISO 75-2/A
CLTE			ISO 11359-2
Flow	0.000050	cm/cm/°C	
Transverse	0.000070	cm/cm/°C	

