

Iupilon® MB2212R

Polycarbonate + ABS

Mitsubishi Engineering-Plastics Corp

Message:

Iupilon® MB2212R is a Polycarbonate + ABS (PC+ABS) material. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Iupilon® MB2212R are:

Flame Rated

High Flow

General Information			
UL YellowCard	E41179-231714		
Features	High Flow		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	11	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (250°C/2.16 kg)	10.0	cm ³ /10min	ISO 1133
Molding Shrinkage			
Across Flow : 3.20 mm	0.30 to 0.50	%	
Flow : 3.20 mm	0.30 to 0.50	%	
Water Absorption (Saturation, 23°C)	0.12	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2
Tensile Stress (Yield)	55.0	MPa	ISO 527-2
Tensile Strain (Yield)	4.4	%	ISO 527-2
Nominal Tensile Strain at Break	46	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress	88.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	80	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	114	°C	ISO 75-2/B
1.8 MPa, Unannealed	96.0	°C	ISO 75-2/A
CLTE			ISO 11359-2
Flow	7.0E-5	cm/cm/°C	
Transverse	7.0E-5	cm/cm/°C	
Flammability	Nominal Value		Test Method

Flame Rating (1.50 mm)	HB	UL 94
Injection	Nominal Value	Unit
Drying Temperature	80.0 to 100	°C
Drying Time	4.0 to 8.0	hr
Rear Temperature	210 to 250	°C
Middle Temperature	220 to 260	°C
Front Temperature	230 to 270	°C
Nozzle Temperature	230 to 270	°C
Mold Temperature	60.0 to 90.0	°C
Injection Pressure	50.0 to 150	MPa
Screw Speed	50 to 100	rpm

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

