

## < Specification Data >



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### Polycarbonate Resin "Iupilon GSN2010R2"

- \* glass fiber reinforced 10%
- \* flame retardant (V-0/1.6mm)

Properties	Test Methods	Units	Values
<b>Physical Properties</b>			
Density	ISO 1183	g/cm <sup>3</sup>	1.27
Water Absorption (23°C, Underwater)		%	0.14
<b>Rheological Properties</b>			
Melt Mass-flow Rate (300°C, 1.2kg)	ISO 1133	g/10min	8.8
Melt Volume-flow Rate (300°C, 1.2kg)		cm <sup>3</sup> /10min	8.2
Molding Shrinkage (3.2mm) (MD)		%	0.3-0.5
(TD)			0.4-0.6
<b>Mechanical Properties</b>			
Tensile Modulus	ISO 527-1	MPa	4400
Stress at Break	ISO527-2		82
Strain at Break			2.9
Flexural Strength	ISO 178	Mpa	130
Flexural Modulus			3900
Charpy Impact Strength (23°C)	ISO 179-1	kJ/m <sup>2</sup>	51
Charpy Notched Impact Strength (23°C)	ISO 179-2		10
<b>Thermal Properties</b>			
Temperature of Deflection Under Load (1.80MPa)	ISO 75-1	°C	138
	ISO 75-2		145
Coefficient of Linear Thermal Expansion (MD)	ISO 11359-2	1/°C	4,0E-5
			(TD)
<b>Electrical Properties</b>			
Comparative Tracking Index	IEC60112		200

All data in this table are typical values obtained under MEP's standard test methods, and may not be applicable for those which are used under different conditions. These are not intended for warranty of customer's production achievement.