

## < Specification Data >

### Polycarbonate Resin "Iupilon S-3001R"

- \* basic grades with releasing agent
- \* low viscosity
- \* FDA



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Properties	Test Methods	Units	Values
<b>Physical Properties</b>			
Density	ISO 1183	g/cm <sup>3</sup>	1.20
Water Absorption (23°C, Underwater)		%	0.24
<b>Rheological Properties</b>			
Melt Volume-flow Rate (300°C, 1.2kg)	ISO 1133	cm <sup>3</sup> /10min	16
Molding Shrinkage (3.2mmt) (MD)		%	0.5-0.7
(TD)			0.5-0.7
<b>Mechanical Properties</b>			
Tensile Modulus	ISO 527-1	MPa	2400
Yield Stress	ISO 527-2		62
Yield Strain		%	6.7
Nominal Strain at Break			119
Flexural Strength	ISO 178	Mpa	93
Flexural Modulus			2300
Charpy Impact Strength (23°C)	ISO 179-1	kJ/m <sup>2</sup>	NB
Charpy Notched Impact Strength (23°C)	ISO 179-2		67
<b>Thermal Properties</b>			
Temperature of Deflection Under Load (1.80MPa) (0.45MPa)	ISO 75-1	°C	124
	ISO 75-2		139
Coefficient of Linear Thermal Expansion (MD) (TD)	ISO 11359-2	1/°C	6.5E-5
			6.6E-5

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.