

< Specification Data >



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Polycarbonate Resin "Iupilon S-3000UR 5300E"

* basic grades with releasing agent and UV absorbent

* low viscosity

Properties	Test Methods	Units	Values
Physical Properties			
Density	ISO 1183	g/cm ³	1.20
Water Absorption (23°C, Underwater)		%	0.24
Rheological Properties			
Melt Volume-flow Rate (300°C, 1.2kg)	ISO 1133	cm ³ /10min	17
Molding Shrinkage (3.2mmt) (MD)		%	0.5-0.7
(TD)			0.5-0.7
Mechanical Properties			
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 ²	NB
Charpy Notched Impact Strength (23°C)	ISO 179-2		67
Thermal Properties			
Temperature of Deflection Under Load (1.80MPa)	ISO 75-1	°C	124
	ISO 75-2		139
Coefficient of Linear Thermal Expansion (MD)	ISO 11359-2	1/°C	6.5E-5
			(TD)

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.