

--- SBC Resin ---

CLEAREN



Physical properties

Pproperty	Test Methods	Conditions	Unit	<i>530L</i>	<i>730L</i>	<i>210M</i>	<i>220M</i>
				General Purpose Hard type	General Purpose Soft type	High Transparency	High Strength
Melt Mass Flow Rate	ISO 1133	200deg.C 49N	g/10min	8	8	8	7
Tensile stress at yield	ISO 527-1, -2	50mm/min	MPa	43	31	26	25
Tensile stress at break			Mpa	20	16	19	14
Nominal strain at break			%	30	210	230	360
Flexural Modulus	ISO 178	2mm/min	MPa	2,010	1,410	1,530	1,350
Flexural Strength			MPa	63	45	31	25
Charpy Impact Strength	ISO 179	Notched	kJ/m ²	1.6	1.8	3.5	8.4
Deflection temperature under load	ISO 75-1, -2	1.8MPa Flatwise	deg.C	64	58	61	60
Vicat Softing Temperture	ISO 306	50N	deg.C	92	84	81	78
Density	ISO 1183	23 deg.C	kg/m ³	1,030	1,020	1,020	1,020
Light Transmission	ISO 13468-1	2mmt	%	90	89	90	87
Haze	ISO 14782	2mmt	%	1.5	1.6	1.6	2.8
Molding Shrinkage	DENKA Method	2mmt	%	0.5	0.5	0.5	0.6

* The above values are typical and not guaranteed.

Injection Molding Condision

	Unit	530L , 730L , 210M , 220M
Pre-drying	Temp. [deg.C]	-
	Time [hr]	-
Cylinder Temperature	[deg.C]	180 ~ 220
Nozzle Temperature	[deg.C]	190 ~ 200
Mold Temperature	[deg.C]	30 ~ 50

Last update : 1-Sep-2012