

PROPERTY	CONDITION	UNIT	METHOD	VALUE
PHYSICAL				
Light transmittance	3.2mm	%	ASTM D1003	88
Haze	3.2mm	%	ASTM D1003	<1.5
THERMAL				
Melt flow index	230°C, 3.8kg	g/10min	ASTM D1238	2.0
VICAT softening temperature	1kg	°C	ASTM D1525	97
Heat deflection temperature (18.6kg)	unannealed	°C	ASTM D648	77
	annealed	°C	ASTM D648	83
MECHANICAL				
IZOD Impact strength	with notch	kJ/m ²	ASTM D256	4.8
Rockwell hardness	M scale	-	ASTM D785	57
Tensile strength	-	kgf/cm ²	ASTM D638	440
Elongation	-	%	ASTM D638	100
Flexural strength	-	kgf/cm ²	ASTM D790	810
Flexural modulus	-	kgf/cm ²	ASTM D790	17,700
GENERAL				
Density	-	g/cm ³	ASTM D792	1.17
Refractive index	-	-	ASTM D542	1.49
Water absorption	24hr	%	ASTM D570	0.4
Mold shrinkage	-	%	ASTM D955	0.4-0.8
Coefficient of linear expansion	-	1/°C	ASTM D696	7X10 ⁻⁵
Flammability	-	-	UL94	HB

REMARKS : The listed values should be used for reference purpose only.