

PROPERTY	CONDITION	UNIT	METHOD	VALUE
PHYSICAL				
Total Light Transmittance	3.2mm	%	ASTM D1003	91
HAZE	3.2mm	%	ASTM D1003	1.5
Refractive Index	Nd	–	ASTM D542	1.49
THERMAL				
Flow Index	230 °C, 3.8kg	g/10min	ASTM D1238	1.2
VICAT Softening Point	1kg	°C	ASTM D1525	94
Heat Deflection Temperature	annealed 18.5kg/cm ²	°C	ASTM D648	82
Coefficient of Linear Expansion	–	mm/mm/°C	ASTM D696	7X10 ⁻⁵
MECHANICAL				
Impact Strength (IZOD)	with notch	kg.cm/cm	ASTM D256	6.5
Rockwell Hardness	M scale	M scale	ASTM D785	50
Tensile Strength	–	kg/cm ²	ASTM D638	400
Elongation	–	%	ASTM D638	120
Flexural Strength	–	kg/cm ²	ASTM D790	700
Flexural Modulus	–	kg/cm ²	ASTM D790	15,000
GENERAL				
Specific Gravity	–	g/cm ³	ASTM D792	1.17
Mold shrinkage	–	%	ASTM D1003	0.4–0.8
Water Absorption	24hr	%	ASTM D570	0.4
Flammability	–	–	UL94	HB

REMARKS : The listed values should be used for referential purposed only.