

PROPERTY	CONDITION	UNITS	TEST METHOD	VALUE
PHYSICAL				
Total Light Transmittance	3mm	%	ASTM D1003	92
Yellow Index	3mm	%	ASTM D1925	0.4
HAZE	3mm	%	ASTM D1003	0.5
Refractive Index	nd	–	ASTM D542	1.49
THERMAL				
Flow Index	230°C, 3.8kg	g/10min	ASTM D1238	11.1
VICAT Softening Point	1 kg	°C	ASTM D1525	100
Heat Deflection Temperature	unannealed 18.5kg/cm ²	°C	ASTM D648	80
Coefficient of Linear Expansion	–	mm/mm/°C	ASTM D696	6X10 ⁻⁵
MECHANICAL				
Impact Strength(IZOD)	with notch	kg.cm/cm	ASTM D256	1.5
Rockwell Hardness	M scale	M scale	ASTM D785	90
Tensile Strength	–	kg/cm ²	ASTM D638	660
Elongation	–	%	ASTM D638	8
Flexural Strength	–	kg/cm ²	ASTM D790	1,310
Flexural Modulus	–	kg/cm ²	ASTM D790	33,600
GENERAL				
Specific Gravity	–	g/cm ³	ASTM D792	1.18
Mold shrinkage	–	%	ASTM D1003	0.2–0.6
Water Absorption	24hr	%	ASTM D570	0.3
Flammability	–	–	UL94	HB
FDA	US FDA Regulation 21CFR177.1010			Match

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