

IH830

PROPERTY	CONDITION	UNIT	METHOD	VALUE
PHYSICAL				
Light transmittance	3.2mm	%	ASTM D1003	92
Haze	3.2mm	%	ASTM D1003	<0.1
THERMAL				
Melt flow index	230°C, 3.8kg	g/10min	ASTM D1238	2.3
VICAT softening temperature	1kg	°C	ASTM D1525	114
Heat deflection temperature (18.6kg)	unannealed	°C	ASTM D648	94
	annealed	°C	ASTM D648	101
MECHANICAL				
IZOD Impact strength	with notch	kJ/m ²	ASTM D256	1.5
Rockwell hardness	M scale	-	ASTM D785	98
Tensile strength	-	kgf/cm ²	ASTM D638	720
Elongation	-	%	ASTM D638	13
Flexural strength	-	kgf/cm ²	ASTM D790	1,380
Flexural modulus	-	kgf/cm ²	ASTM D790	34,800
GENERAL				
Density	-	g/cm ³	ASTM D792	1.18
Refractive index	-	-	ASTM D542	1.49
Water absorption	24hr	%	ASTM D570	0.3
Mold shrinkage	-	%	ASTM D955	0.2-0.6
Coefficient of linear expansion	-	1/°C	ASTM D696	6X10 ⁻⁵
Flammability	-	-	UL94	HB

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