

HI855HH

PMMA

LX MMA Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	0.5	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data	Value	Unit	Test Standard
Tensile Strength	25	MPa	ASTM D 638
Flexural Modulus	818	MPa	ASTM D 790
Flexural Strength	33	MPa	ASTM D 790
Rockwell Hardness	M 15	-	ASTM D 785
Izod Impact notched, 1/8 in	58.9	J/m	ASTM D 256
Thermal properties			
ASTM Data	Value	Unit	Test Standard
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	60	E-6/K	ASTM D 696
DTUL @ 264 psi	66	°C	ASTM D 648
Vicat Temperature	85	°C	ASTM D 1525
Electrical properties			
ASTM Data	Value	Unit	Test Standard
Dielectric Strength, Short Time	15	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.04	-	ASTM D 150
Dielectric Constant, 60 Hz	3.5	-	ASTM D 150
Volume Resistivity	10	Ohm*cm	ASTM D 257
Optical properties			
ASTM Data	Value	Unit	Test Standard
Haze	2.5	%	ASTM D 1003
Light Transmittance	88	%	ASTM D 1003
Index of Refraction	1.49	-	ASTM D 542
Other properties			
Value	Unit	Test Standard	
Water Absorption, 24hr	0.4	%	ASTM D 570
Density	1170	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

High impact or impact modified, U.V. stabilized or stable to weather, Transparent

Regional Availability

North America, Europe, Asia Pacific

Chemical Resistance

Environmental Stress Crack Resistance