

HI855HS

PMMA

LX MMA Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	2	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			
Tensile Strength	32	MPa	ASTM D 638
Flexural Modulus	1363	MPa	ASTM D 790
Flexural Strength	53	MPa	ASTM D 790
Rockwell Hardness	M 40	-	ASTM D 785
Izod Impact notched, 1/8 in	54	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	60	E-6/K	ASTM D 696
DTUL @ 264 psi	68	°C	ASTM D 648
Vicat Temperature	87	°C	ASTM D 1525
Electrical properties			
ASTM Data			
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			
Haze	1.5	%	ASTM D 1003
Light Transmittance	90	%	ASTM D 1003
Index of Refraction	1.49	-	ASTM D 542
Other properties			
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