

IG840

PMMA

LX MMA Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	5.8	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	73	MPa	ASTM D 638
Flexural Modulus	3333	MPa	ASTM D 790
Flexural Strength	137	MPa	ASTM D 790
Rockwell Hardness	M 96	-	ASTM D 785
Izod Impact notched, 1/8 in	14.7	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	90	°C	ASTM D 648
Vicat Temperature	109	°C	ASTM D 1525
Electrical properties			
ASTM Data	Value	Unit	Test Standard
Dielectric Strength, Short Time	20	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.05	-	ASTM D 150
Dielectric Constant, 60 Hz	4	-	ASTM D 150
Volume Resistivity	10	Ohm*cm	ASTM D 257
Optical properties			
ASTM Data	Value	Unit	Test Standard
Haze	0.5	%	ASTM D 1003
Light Transmittance	93	%	ASTM D 1003
Index of Refraction	1.49	-	ASTM D 542
Other properties			
Value	Unit	Test Standard	
Water Absorption, 24hr	0.3	%	ASTM D 570
Density	1180	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Applications

General Purpose

Regional Availability

North America, Europe, Asia Pacific