

**IF870S**

PMMA

LX MMA Corp.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>23</b>	g/10min	ASTM D 1238
Temperature	<b>230</b>	°C	-
Load	<b>3.8</b>	kg	-
Mold Shrinkage, MD	<b>0.006</b>	mm/mm	ASTM D 955

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength	<b>63</b>	MPa	ASTM D 638
Flexural Modulus	<b>3431</b>	MPa	ASTM D 790
Flexural Strength	<b>128</b>	MPa	ASTM D 790
Rockwell Hardness	<b>M 90</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>14.7</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Coefficient of Thermal Expansion, MD	<b>60</b>	E-6/K	ASTM D 696
DTUL @ 264 psi	<b>78.7</b>	°C	ASTM D 648
Vicat Temperature	<b>97.7</b>	°C	ASTM D 1525

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Dielectric Strength, Short Time	<b>20</b>	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	<b>0.05</b>	-	ASTM D 150
Dielectric Constant, 60 Hz	<b>4</b>	-	ASTM D 150
Volume Resistivity	<b>10</b>	Ohm*cm	ASTM D 257

<b>Optical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Haze	<b>0.5</b>	%	ASTM D 1003
Light Transmittance	<b>93</b>	%	ASTM D 1003
Index of Refraction	<b>1.49</b>	-	ASTM D 542

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water Absorption, 24hr	<b>0.3</b>	%	ASTM D 570
Density	<b>1180</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Applications**

General Purpose