

HI855H

PMMA

LX MMA Corp.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|----------------------|----------------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 3.5 | 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 | 39 | MPa | ASTM D 638 |
| Flexural Modulus | 1824 | MPa | ASTM D 790 |
| Flexural Strength | 69 | MPa | ASTM D 790 |
| Rockwell Hardness | M 42 | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 49.1 | 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 | 72 | °C | ASTM D 648 |
| Vicat Temperature | 91 | °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 | 1 | % | ASTM D 1003 |
| Light Transmittance | 91 | % | 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