

HI542-S9678

PMMA

LX MMA Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	3.1	g/10min	ISO 1133
Temperature	230	°C	-
Load	3.8	kg	-
ASTM Data			
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955
Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2400	MPa	ISO 527
Stress at break	60	MPa	ISO 527
Strain at break	30	%	ISO 527
Flexural modulus, 23°C	2300	MPa	ISO 178
Flexural strength	83	MPa	ISO 178
Charpy notched impact strength, +23°C	4.5	kJ/m ²	ISO 179/1eA
Rockwell hardness	M 70	-	ISO 2039-2
Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	98	°C	ISO 75-1/-2
Vicat softening temperature, B	100	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
ASTM Data			
Coefficient of Thermal Expansion, MD	70	E-6/K	ASTM D 696
Other properties	Value	Unit	Test Standard
Density	1190	kg/m ³	ISO 1183
Water Absorption, 24hr	0.3	%	ASTM D 570
Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	70 - 80	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	210 - 240	°C	-
Mold temperature	60 - 80	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

U.V. stabilized or stable to weather

Features

High Gloss, Scratch Resistant

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific