

LG PMMA HI532S

Polymethyl Methacrylate Acrylic
LG MMA Corp.

Message:

LG PMMA HI532S is a Polymethyl Methacrylate Acrylic material. It is available in Asia Pacific, Europe, Latin America, or North America.
Important attributes of LG PMMA HI532S are:
Flame Rated
RoHS Compliant
Impact Resistant
Scratch Resistant
Typical application of LG PMMA HI532S: Appliances

General Information			
Features	High Impact Resistance		
	Scratch Resistant		
Uses	Appliances		
RoHS Compliance	RoHS Compliant		
Appearance	Colors Available		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.80	%	ASTM D955
Water Absorption (24 hr)	0.40	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	87		ASTM D785
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)	2.80	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	100	°C	ASTM D648
CLTE - Flow	7.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms · cm	ASTM D257
Dielectric Strength ¹	15	kV/mm	ASTM D149
Dielectric Constant (60 Hz)	3.10		ASTM D150
Dissipation Factor (60 Hz)	0.040		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value		Test Method
Refractive Index	1.490		ASTM D542

NOTE

1. 4000 V/sec

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