HILITE 21 412

PMMA MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**0.8**	g/10min	ISO 1133
Temperature	**230**	°C	-
Load	**3.8**	kg	-
Molding shrinkage, parallel	**0.5**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.5**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2400**	MPa	ISO 527
Stress at break	**36**	MPa	ISO 527
Strain at break	**4.5**	%	ISO 527
Flexural modulus, 23°C	**2400**	MPa	ISO 178
Izod impact strength, +23°C	**20**	kJ/m²	ISO 180/1U

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**69**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**50**	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**50**	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Burning rate, FMVSS, Thickness 1 mm	**100**	mm/min	ISO 3795 (FMVSS 302)
Glow Wire Flammability Index (GWFI)	**700**	°C	IEC 60695-2-12
GWFI - thickness tested (1)	**3**	mm	-

Optical properties	Value	Unit	Test Standard
ISO Data			
Haze	**100**	-	ISO 14782
Luminous transmittance	**94**	%	ISO 13468-1, -2

Other properties	Value	Unit	Test Standard
Density	**1320**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**75**	°C	-
Pre-drying - Time	**4**	h	-
Processing humidity	**≤0.04**	%	-
Melt temperature	**230 - 240**	°C	-
Mold temperature	**40**	°C	-

Characteristics

Processing
Injection Molding

Features
Light Blocking, Light Reflecting

Special Characteristics
High impact or impact modified

Regional Availability
Europe