

ACRYL G 87 E

PMMA

Polycasa N.V.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	1.5	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	3.8	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	3200	MPa	ISO 527
Stress at break	70	MPa	ISO 527
Strain at break	14	%	ISO 527
Charpy impact strength, +23°C	20	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	2	kJ/m ²	ISO 179/1eA
Ball indentation hardness	193	MPa	ISO 2039-1
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	95	°C	ISO 75-1/-2
Vicat softening temperature, B	103	°C	ISO 306
Electrical properties			
ISO Data			
Relative permittivity, 100Hz	3.2	-	IEC 62631-2-1
Relative permittivity, 1MHz	2.9	-	IEC 62631-2-1
Dissipation factor, 100Hz	400	E-4	IEC 62631-2-1
Dissipation factor, 1MHz	300	E-4	IEC 62631-2-1
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	1E14	Ohm	IEC 62631-3-2
Electric strength	60	kV/mm	IEC 60243-1
Comparative tracking index	600	-	IEC 60112
Other properties			
Density	1190	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding, Other Extrusion

Special Characteristics

U.V. stabilized or stable to weather, Transparent

Features

Amorphous

Applications

Automotive, Building Construction, Electrical and Electronical, Medical

Regional Availability

Europe