

**ACRYL G 88**

PMMA

Polycasa N.V.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	2.1	cm <sup>3</sup> /10min	ISO 1133
Temperature	230	°C	-
Load	3.8	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	3200	MPa	ISO 527
Stress at break	70	MPa	ISO 527
Strain at break	5	%	ISO 527
Charpy impact strength, +23°C	20	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	2	kJ/m <sup>2</sup>	ISO 179/1eA
Ball indentation hardness	195	MPa	ISO 2039-1
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	100	°C	ISO 75-1/-2
Vicat softening temperature, B	105	°C	ISO 306
<b>Electrical properties</b>			
<b>ISO Data</b>			
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
<b>Other properties</b>			
Density	1190	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

U.V. stabilized or stable to weather, Transparent

**Features**

Amorphous

**Applications**

Automotive, Building Construction, Electrical and Electronical, Medical

**Regional Availability**

Europe