

ACRYL G 55

PMMA

Polycasa N.V.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|-------|------------------------|---------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 21 | cm ³ /10min | ISO 1133 |
| Temperature | 230 | °C | - |
| Load | 3.8 | kg | - |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 3100 | MPa | ISO 527 |
| Stress at break | 50 | MPa | ISO 527 |
| Strain at break | 3 | % | 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 | 170 | MPa | ISO 2039-1 |
| Thermal properties | | | |
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 75 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 85 | °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

Special Characteristics

U.V. stabilized or stable to weather, Transparent

Features

Amorphous

Applications

Automotive, Building Construction, Electrical and Electronical, Medical

Regional Availability

Europe