

**ACRYL KR 2015/1**

PMMA

Polycasa N.V.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	<b>5.8</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>230</b>	°C	-
Load	<b>3.8</b>	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>2200</b>	MPa	ISO 527
Stress at break	<b>45</b>	MPa	ISO 527
Strain at break	<b>30</b>	%	ISO 527
Charpy impact strength, +23°C	<b>55</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>3</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Ball indentation hardness	<b>95</b>	MPa	ISO 2039-1
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>83</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>92</b>	°C	ISO 306
<b>Electrical properties</b>			
<b>ISO Data</b>			
Relative permittivity, 100Hz	<b>3.2</b>	-	IEC 62631-2-1
Relative permittivity, 1MHz	<b>2.9</b>	-	IEC 62631-2-1
Dissipation factor, 100Hz	<b>400</b>	E-4	IEC 62631-2-1
Dissipation factor, 1MHz	<b>300</b>	E-4	IEC 62631-2-1
Volume resistivity	<b>1E12</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>1E14</b>	Ohm	IEC 62631-3-2
Electric strength	<b>60</b>	kV/mm	IEC 60243-1
Comparative tracking index	<b>600</b>	-	IEC 60112
<b>Other properties</b>			
Density	<b>1150</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding, Other Extrusion, Coating, Blow Molding

**Special Characteristics**

High impact or impact modified, U.V. stabilized or stable to weather, Transparent

**Features**

Amorphous

**Applications**

Automotive, Building Construction, Electrical and Electronical, Medical

**Regional Availability**

Europe