

**PLEXIGLAS® 8N plus**

PMMA

Röhm GmbH

<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>2.6</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>3050</b>	MPa	ISO 527
Stress at break	<b>69</b>	MPa	ISO 527
Strain at break	<b>19</b>	%	ISO 527
Charpy impact strength, +23°C	<b>22</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<b>Thermal properties</b>			
<b>ISO Data</b>			
Glass transition temperature, 10°C/min	<b>114</b>	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	<b>97</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>102</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>105</b>	°C	ISO 306
Coeff. of linear therm. expansion, parallel	<b>80</b>	E-6/K	ISO 11359-1/-2
<b>Optical properties</b>			
<b>ISO Data</b>			
Luminous transmittance	<b>92<sup>[1]</sup></b>	%	ISO 13468-1, -2
<b>ASTM Data</b>			
Haze	<b>1<sup>[1]</sup></b>	%	ASTM D 1003
<b>Other Standards<sup>[5]</sup></b>			
Index of Refraction	<b>1.48<sup>[1]</sup></b>	-	ISO 489
1: 3 mm S: These properties are reported by the producer according standards that are different to our defaults.			
<b>Other properties</b>			
Density	<b>1190</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>≤80</b>	°C	-
Pre-drying - Time	<b>2 - 3</b>	h	-
Melt temperature	<b>220 - 260</b>	°C	-
Mold temperature	<b>60 - 90</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

Light stabilized or stable to light, U.V. stabilized or stable to weather, Transparent

**Features**

Amorphous, Light Guiding

**Chemical Resistance**

General Chemical Resistance

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa