

**ACRYLITE® SuPure 8N**

PMMA

Evonik CYRO LLC

**Processing/Physical Characteristics**

	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	<b>3</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>230</b>	°C	-
Load	<b>3.8</b>	kg	-

**Mechanical properties**

	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>3300</b>	MPa	ISO 527
Stress at break	<b>77</b>	MPa	ISO 527
Strain at break	<b>5.5</b>	%	ISO 527
Charpy impact strength, +23°C	<b>20</b>	kJ/m <sup>2</sup>	ISO 179/1eU

**Thermal properties**

	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Glass transition temperature, 10°C/min	<b>117</b>	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	<b>98</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>108</b>	°C	ISO 306
Coeff. of linear therm. expansion, parallel	<b>80</b>	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>1.6</b>	mm	-

**Optical properties**

	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Luminous transmittance	<b>92</b>	%	ISO 13468-1, -2

**Other properties**

	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1190</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Features**

Light Guiding

**Regional Availability**

North America

**Applications**

Automotive, IT / Business Machine, Electrical and Electronical