

**ACRYLITE® Hi-Gloss NTA-1**

PMMA

Evonik CYRO LLC

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

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2700	MPa	ISO 527
Yield stress	68	MPa	ISO 527
Yield strain	5	%	ISO 527
Nominal strain at break	10	%	ISO 527
Charpy impact strength, +23°C	33	kJ/m <sup>2</sup>	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Glass transition temperature, 10°C/min	120	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	102	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	103	°C	ISO 75-1/-2
Vicat softening temperature, B	110	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-

Other properties	Value	Unit	Test Standard
Density	1180	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Special Characteristics**

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

**Features**

Amorphous, Melt Strength

**Chemical Resistance**

Environmental Stress Crack Resistance

**Applications**

Automotive

**Regional Availability**

North America