

ACRYLITE® SuPure

PMMA

Evonik CYRO LLC

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	3	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	3.8	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	3300	MPa	ISO 527
Stress at break	77	MPa	ISO 527
Strain at break	5.5	%	ISO 527
Charpy impact strength, +23°C	20	kJ/m ²	ISO 179/1eU
Thermal properties			
ISO Data			
Glass transition temperature, 10°C/min	117	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	98	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	103	°C	ISO 75-1/-2
Vicat softening temperature, B	108	°C	ISO 306
Coeff. of linear therm. expansion, parallel	80	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Optical properties			
ISO Data			
Luminous transmittance	92	%	ISO 13468-1, -2
Other properties			
Value			
Water absorption	3	%	Sim. to ISO 62
Density	1190	kg/m ³	ISO 1183

Characteristics**Features**

Light Guiding

Regional Availability

North America

Applications

Automotive, IT / Business Machine, Electrical and Electronical