

**ACRYLITE® Heatresist FT15**

PMMA

Evonik CYRO LLC

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	4.5	cm <sup>3</sup> /10min	ISO 1133
Temperature	230	°C	-
Load	3.8	kg	-
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	3500	MPa	ISO 527
Stress at break	50	MPa	ISO 527
Strain at break	3.1	%	ISO 527
Charpy impact strength, +23°C	18	kJ/m <sup>2</sup>	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Glass transition temperature, 10°C/min	121	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	105	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	107	°C	ISO 75-1/-2
Vicat softening temperature, B	115	°C	ISO 306
Coeff. of linear therm. expansion, parallel	66	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	Value	Unit	Test Standard
<b>ISO Data</b>			
Luminous transmittance	91	%	ISO 13468-1, -2

Other properties	Value	Unit	Test Standard
Water absorption	2	%	Sim. to ISO 62
Humidity absorption	0.46	%	Sim. to ISO 62
Density	1190	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Delivery form**

Pellets

**Special Characteristics**

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

**Features**

Light Guiding

**Chemical Resistance**

General Chemical Resistance

**Applications**

Automotive, Medical

**Regional Availability**

North America