

**Diakon CTG835**

PMMA

Lucite International

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	1.7	g/10min	ISO 1133
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	43	MPa	ISO 527
Flexural modulus, 23°C	1900	MPa	ISO 178
Charpy impact strength, +23°C	74	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	6.2	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	5.5	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	M 24	-	ISO 2039-2
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	93	°C	ISO 75-1/-2
Vicat softening temperature, A	108	°C	ISO 306
Vicat softening temperature, B	91	°C	ISO 306
Burning behav. at thickness h	HB	class	IEC 60695-11-10
<b>Optical properties</b>			
<b>ASTM Data</b>			
Haze	1.6	%	ASTM D 1003
Light Transmittance	91.5	%	ASTM D 1003
<b>Other properties</b>			
Water absorption	0.36	%	Sim. to ISO 62
Density	1140	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Special Characteristics**

High impact or impact modified

**Applications**

Automotive

**Regional Availability**

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