

**Diakon Light Plus 835 DL60**

PMMA

Lucite International

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	0.8	g/10min	ISO 1133
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Strength	43	MPa	ISO 527
Flexural modulus, 23°C	1900	MPa	ISO 178
Flexural strength	62	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

Thermal properties	Value	Unit	Test Standard
<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

Optical properties	Value	Unit	Test Standard
<b>Other Standards<sup>S1</sup></b>			
Gloss	25	-	
Light Transmittance	92	%	

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Water absorption	0.36	%	Sim. to ISO 62
Density	1140	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Special Characteristics**

Transparent

**Regional Availability**

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