

Delpet™ LP-1

PMMA

Asahi Kasei

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	1.1	g/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	8	%	ISO 527
Flexural modulus, 23°C	3300	MPa	ISO 178
Flexural strength	130	MPa	ISO 178
Charpy impact strength, +23°C	22	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	1.4	kJ/m ²	ISO 179/1eA
Rockwell hardness	M 95	-	ISO 2039-2
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	97	°C	ISO 75-1/-2
Vicat softening temperature, B	104	°C	ISO 306
Optical properties			
ISO Data			
Luminous transmittance	92	%	ISO 13468-1, -2
Other properties			
Water absorption	0.3	%	Sim. to ISO 62
Density	1190	kg/m ³	ISO 1183

Characteristics**Delivery form**

Pellets

Regional Availability

North America

Special Characteristics

Transparent