

Elvakon 4461

PMMA

Lucite International

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	2.3	g/10min	ISO 1133
Mechanical properties			
ISO Data			
Tensile Strength	30	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1300	MPa	ISO 178
Charpy impact strength, +23°C	71	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	6.8	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	6	kJ/m ²	ISO 180/1A
Rockwell hardness	R 76	-	ISO 2039-2
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	68	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	81	°C	ISO 75-1/-2
Vicat softening temperature, A	90	°C	ISO 306
Vicat softening temperature, B	75	°C	ISO 306
Other properties			
Water absorption	0.4	%	Sim. to ISO 62
Density	1150	kg/m ³	ISO 1183

Characteristics**Processing**

Other Extrusion

Regional Availability

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