

**Elvakon 4474**

PMMA

Lucite International

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	2.5	g/10min	ISO 1133

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Strength	63	MPa	ISO 527
Strain at break	15	%	ISO 527
Flexural modulus, 23°C	2500	MPa	ISO 178
Charpy impact strength, +23°C	42	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	3.9	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	3.6	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	M 71	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	95	°C	ISO 75-1/-2
Vicat softening temperature, A	111	°C	ISO 306
Vicat softening temperature, B	102	°C	ISO 306

Optical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Light Transmittance	91	%	ASTM D 1003
Index of Refraction	1.49	-	ASTM D 542

Other properties	Value	Unit	Test Standard
Water absorption	0.32	%	Sim. to ISO 62
Density	1170	kg/m <sup>3</sup>	ISO 1183
Density	1170	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Other Extrusion

**Regional Availability**

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