

Elvakon 4490

PMMA

Lucite International

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	3.9	g/10min	ISO 1133

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	29	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	1200	MPa	ISO 178
Charpy impact strength, +23°C	115	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	9.3	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	8.1	kJ/m ²	ISO 180/1A
Rockwell hardness	R 72	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	60	°C	ISO 75-1/-2
Vicat softening temperature, A	84	°C	ISO 306
Vicat softening temperature, B	66	°C	ISO 306

Optical properties	Value	Unit	Test Standard
ASTM Data			
Light Transmittance	88.5	%	ASTM D 1003
Index of Refraction	1.49	-	ASTM D 542

Other properties	Value	Unit	Test Standard
Water absorption	0.38	%	Sim. to ISO 62
Density	1130	kg/m ³	ISO 1183
Density	1130	kg/m ³	ASTM D 792

Characteristics**Processing**

Other Extrusion

Regional Availability

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