

Properties	Test method	Unit	IEASY® Foam Light
Mechanical properties			
Density	ISO 1183	g/cm ³	1,19
Tensile strength	ISO 527-2	MPa	74
Elongation	ISO 527-2	%	5,5
Flexural strength	ISO 178	Mpa	120
Flexural Modulus	ISO 178	Gpa	3,2
Charpy impact strength	ISO 179-2	KJ/m ²	1,5
Izod impact strength	ASTM D256	KJ/m ²	1,5
Rockwell hardness	ISO 2039	M scale	98
Water absorbtion	ASTM D570	%	0,3
Optical properties			
Refractive index	ISO 489	-	1,49
Light Transmittance	ISO 13468-1	%	>92
Haze	ISO 14782	%	<1
Thermal properties			
Heat deflection temperature (1,8MPa)	ISO 75	°C	98
Vicat softening temperature	ISO 306	°C	105
Coefficient of linear expansion	ASTM D696	1/°C	6 x 10 ⁻⁵

