

Optical foils

Light-diffusing foils in PMMA impact resistant

If not stated otherwise, the given values result from tests which were realised using standardised specimen at room temperature. The given figures are indications only and therefore not binding. Please note the properties can be

significantly affected by the tooling, the processing conditions as well as by the tolerances which are given due to the material.

LIGHT-DIFFUSING FOILS				
		Unit	Standard	Conditions
MECHANICAL CHARACTERISTICS				
Tensile Modulus	1850	MPa	DIN EN ISO 527-1-3	in direction of extrusion
Max. stress	47,9	MPa	DIN EN ISO 527-1-3	in direction of extrusion
Strain	5,7	%	DIN EN ISO 527-1-3	in direction of extrusion
Yield stress	44,2	MPa	DIN EN ISO 527-1-3	in direction of extrusion
Nominal strain	38,5	%	DIN EN ISO 527-1-3	in direction of extrusion
OTHER CHARACTERISTICS				
Water absorption	1,8	%	similar to ISO 62	Water, 23 °C, 24 h
Water absorption	0,5	%	similar to ISO 62	23 °C/50% rel. F
Density	1,16	kg/m ³	kg/m ³	