

PHYSICAL PROPERTIES

CHARACTERISTIC	TEST METHOD	UNIT	LUMEX®A	LUMEX®G
			VALUE	VALUE
Density	DIN EN ISO 1183-1	g/cm³	1.33	1.27
Tensile strength	DIN EN ISO 527-1/2	MPa	>55	>45
Flexural modulus	EN ISO 178	MPa	2500	2000
Impact strength, unnotched	ISO 179	kJ/m²	no break	no break
Surface hardness	ISO 868	Shore D	50	40
Max. service temperature	–	°C	65	65
Coefficient of linear expansion	DIN EN ISO 75-2	mm/(m·K)	0.05	0.05
Light transmission	DIN 5036	%	>86	>84
Fire classification	EN 13 501-1	Europe	B – s1 – d0	B – s1 – d0

LUMEX® sheets are produced under stringent environmental and quality control procedures. This ensures the consistently high quality of the product.

ROHS DIRECTIVE

LUMEX® sheets meet the requirements of the RoHS-2 directive of the European Union on the restriction of hazardous substances.

REACH REGULATION

LUMEX® sheets meet the requirements of the current version of the European Union chemicals regulation (REACH). In particular, LUMEX® sheets do not contain any of the substances which are listed in the current version of the ECHA Candidate List of "Substances of Very High Concern" (SVHC).