

**ACRYLIC SILVER MIRROR****Data Sheet****GENERAL**

PROPERTY	TEST METHOD	UNITS	EXTRUDED MIRROR SHEETS
Relative density	ISO 1183	M Scale	1,2
Rockwell hardness (*)	ISO 2039-2	MPa	101
Ball Indentation hardness (*)	ISO 2039-1		
Water Absorption	ISO 62	%	0,2
Flammability (*)	DIN 4102	%	B2
Flammability (*)	UL 94	%	HB
Flammability (*)	BS 476, Pt 7	Class	4

**MECHANICAL**

PROPERTY	TEST METHOD	UNITS	EXTRUDED MIRROR SHEETS
Tensile strength	ISO 527 (a)	MPa	70
Elongation at break	ISO 527 (a)	%	4
Flexural strength	ISO 178 (b)	MPa	107
Flexural strength to 23°	DIN53452	MPa	120
Flexural modulus	ISO 178 (b)	MPa	3030
Charpy Impact strength	ISO 179 (c)	Kjm <sup>-2</sup>	10
Coefficient of elasticity	DIN53452	MPa	3000
IZOD Impact strength	ISO 180/1A (d)	Kjm <sup>-2</sup>	-
IZOD Impact strength with incision	ASTMD256A	K1/m <sup>2</sup>	1,3
Share D scale hardness	ISO 3868	-	80

**THERMAL**

PROPERTY	TEST METHOD	UNITS	EXTRUDED MIRROR SHEETS
Vicat Softening Point	DIN51306	°C	>103
Thermic conductivity	DIN52612	W/m/°c	0,19
Specific heat	ASTMC351	l/g/°C	1,32
Coefficient K of thermal insulation	DIN4701	W/m <sup>2</sup> /C°	5,3
Coefficient of thermal expansion	ASTM D696	×10 <sup>-5</sup> k <sup>-1</sup>	7,8

**ELECTRICAL**

PROPERTY	TEST METHOD	UNITS	EXTRUDED MIRROR SHEETS
Surface resistlvtivy	IEC 93	Ω m <sup>-2</sup>	>10 <sup>14</sup>
Electrical strength	IEC 243	KV mm <sup>-1</sup>	
Dielectric constant to 50 Hz	DIN 53483		3,7
Dielectric constant to 1 MHz	DIN 53483		2,6