



# ILPOTECH

## compact rigid polyurethane

### data sheet

**Mechanical properties**, measured on specimens cut from a 1000 x 500 x 4 mm sheet:

Average density		Kg/m <sup>3</sup>	1050
Tensile strength	DIN EN ISO 527-1	N/mm <sup>2</sup>	49
Elongation at break	DIN EN ISO 527-1	%	14
Flexural strength at 3,5% edge fibre strain	DIN EN ISO 178	N/mm <sup>2</sup>	55
Flexural modulus of elasticity	DIN EN ISO 178	N/mm <sup>2</sup>	1,75
Impact strength at 22° C	DIN EN ISO 179	kJ/m <sup>2</sup>	52
Surface hardness Shore D			80
Coefficient of thermal conductivity (20° C)	VDE 0304 DIN 53572	10 <sup>-6</sup> K <sup>-1</sup>	≈90
Heat deflection temperature	DIN EN ISO 75	°C	117

These values are based on individual measurements, are given only as a guide and must be verified in each individual case on finished parts manufactured under the processor's production conditions.

#### **Fire performance:**

**UL 94 V:** with wall thicknesses above 4,5 mm, ILPOTECH achieves the flammability rating V-0.

**DIN-4102:** with wall thicknesses of 4 mm ILPOTECH achieves the flammability rating B2.

The methods described in this publication for testing the fire performance of polyurethane and the results quoted do not permit direct conclusions to be drawn regarding every possible fire risk there may be under service conditions.

Furthermore, this does not release the producer of the finished parts from his obligation to carry out suitable tests on his end product with respect to fire performance and/or fire risk in order to guarantee conformity with the required fire safety standard.

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