

Technical Data Sheet



Material: **PurFlex® HR**
BPI Art. No.: **1027-00047**

DESCRIPTION

PurFlex® is a molded MDI-based high resilience PU-foam, that can be produced in complex shapes with or without insert of steel frames. PurFlex® can be produced in different hardnesses from soft to firm, and the material is typically used for a variety of comfort applications within the furniture industry.

TYPICAL PROPERTIES BASED ON OPTIMAL MIXING RATIO

Property	Standard	Unit	Specification
Density	BS EN ISO 845	kg./m ³	80 ±10
Indentation Load Deflection (ILD 40%) Method B	DIN EN ISO 2439B	N	500
Indentation Load Deflection (ILD 40%) Method C	DIN EN ISO 2439C	N	540
Hysterises	DIN EN ISO 2439C	%	22,2
SAG-factor	DIN EN ISO 2439C		3,1
Compression Load Deflection (CLD 40%)	DIN EN ISO 3386-1	kPa	8,3
Hardness loss after dynamic fatigue (80.000 cycles)	DIN EN ISO 3385	%	10,7
Compression set (22h / 70°C / 50%)	DIN EN ISO 1856	%	<6%
Compression set (22h / 70°C / 75%)	DIN EN ISO 1856	%	<8%
Tensile strength	DIN EN ISO 1798	kPa	>125
Elongation at break	DIN EN ISO 1798	%	>75
Air permeability	DIN EN ISO 7231	dm ³ /s	0,3
Ball rebound	DIN EN ISO 8307	%	51
Tear resistance	DIN ISO 34-1, B (b)	N/mm	0,65
Fire properties	CAL 117 (2013)	Pass	✓

Subject to alterations.

BPI reserves the right to update product data information without prior notice. The information submitted in this data sheet is based on our current knowledge and experience. It does not imply any legally binding assurance. Whenever used, the special conditions of the particular application must be taken into consideration, particularly those regarding physical, technical and legal aspects concerning construction.

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