

Technical Datasheet

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Product Identification

Product names	Polyurethane Foam
Trade names	ISOLfon.PU, SEP, SE.PY POLYfon.S, KiON, MB, FP, BT
Chemical description	Poly-addition product of isocyanates, polyether/ polyester polyols and water, controlled by catalysts, stabilizers and other additives, resulting in a cellular polyurethane foam

Physical properties

Physical form/appearance	Cellular material with elastic properties
Colour	Charcoal
Specific gravity	25 ±3 kg/m ³
Solubility in water	Insoluble
Odour	None or mild odour
Temperature limits	- 50°C, + 120°C (Short use) - 40°C, + 90°C (constant use)
Thermal Conductivity	0.035 W/mK (10°C)

Test	Standard	Values
Density (kg/m ³)	ISO 845	25 ±3
Hardness (N)	ISO 2439 (ILD %40)	200 ±%15
Tensile strength (kPa)	ISO 1798	≥ 105
Elongation at break (%)	ISO 1798	≥ 120
Tear resistance (N/cm)	ASTM D 3574	≥ 3,5
Flammability	MVSS302	SE
Pore per Inch		40 (±5)

Notes

The foam should be stored in dry and cool storage conditions and it also must be kept away from flame sources.