

Iso panel

MDF board	Symbol	Test method	Unit	Value
Gross density	ρ_a	EN 323	kg/m ³	>900
Thermal conductivity	λ_D		W/mK	0.120
Fire behaviour				B2
Bending strength		EN 310	N/mm ²	>40
Transverse tensile strength		EN 319	N/mm ²	>0.5
Thickness swelling (after 24 hrs)		EN 317	%	>35
Formaldehyde content (perforator method)		ÖNORM EN 120	mg/100 g	<0.5

Expanded rigid polystyrene foam (EPS)	Symbol	Test method	Unit	Value
Gross density	ρ_a	1602	kg/m ³	15
Thermal conductivity	λ_D	279	W/(m·K)	0.038
Specific thermal capacity	c		Wh/(kg·K)	0.39
Water vapour diffusion resistance factor	μ	12086		40
Fire behaviour classification in acc. with EN		13501-1		E
Fire behaviour classification in acc. with VKF		VKF	BKZ	5,1
Fire behaviour group		VKF		RF2 (cr)
Compression stress at 10% compression	σ_{10}	826	kPa ³⁾	≥ 60
Creep behaviour under pressure (50 years, compression 2%)	σ_C	1606	kPa ³⁾	12
Top application limit temperature, non-weight-bearing			°C	75
Cell content				Air

Rock wool	Symbol	Test method	Unit	Value
Gross density	ρ_a	EN 1602	kg/m ³	160
Thermal conductivity	λ_D	EN 12667	W/mK	0.045
Fire behaviour		EN 13501-1		A1
Compression stress at 10% compression	σ_{10}	EN 826	kPa	100
Tensile strength, vertical to panel plane	σ_{ml}	EN 1607	kPa	25
Water absorption, short-term	W_p	EN 1609	kg/m ²	≤1
Water absorption, long-term	W_p	EN 12087	kg/m ²	≤3
Melting point		EN 4102-17	°C	>1000
Maximum application temperature			°C	250