

Great Quality Material means  
great resistance to the outdoors.

## Technical Properties

SPECIFICATION		RESULT	UNIT	TEST METHODS
Flexural E-modulus	Ef	8900	MPa	DIN EN ISO 178
Flexural strength	$\sigma_{fm}$	76,9	MPa	DIN EN ISO 178
Breaking elongation	$\epsilon_{fm}$	1,01	%	DIN EN ISO 178
Resistance		$> 1 \times 10^{12}$	$\Omega$	EN61340-5-1
				DIN IEC 61340-4-1
Diffusion resistance coefficient	$\mu$	1807		DIN EN ISO 12572
Density		1,71	g/cm <sup>3</sup>	ISO 1183
Heat conductance	$\lambda_{10tr}$	0,636	W/mK	DIN EN 12664
Resistance to thermal expansion	R	0,048	m <sup>2</sup> K/W	DIN EN 12664
Thermal expansion coefficient	$\alpha$	0,048	mm/mK	prEN 14581
Linear expansion coefficient		max. $30 \times 10^{-6}$	m/°C	
Tensile resistance	$\sigma_{fm}$	32,7	MPa	DIN EN 527
Water absorption		< 0,1	%	DIN EN 438 – part 12
SBI fire performance		B – d0 – s1		DIN 13501

\*applicable to HI-MACS® FR S728 Alpine White, tested with subconstruction and insulation