

MEG
TECHNICAL SHEET
PRINT HPL MEG (CGM)

Self-supporting material suitable for exteriors. It consists of core layers of kraft paper impregnated with phenolic resins and an outer layer, on one or both sides, of decorative paper impregnated with amino plastic resins; all bonded together by means of heat and high pressure.

PROPERTY	TEST METHOD (EN 438: 2005)	ATTRIBUTE	UNIT	VALUES
Thickness	EN 438-2.5	<i>thickness</i>	mm	s= 4,0 ± 0,30 s= 6,0 ± 0,40 s= 8,0 e 10,0 ± 0,50
Flatness	EN 438-2.9	<i>maximum deviation</i>	mm/mtl	s= 4,0 8,0 s= 6,0 e 8,0 5,0 s= 10,0 3,0
Resistance to wet conditions	EN 438-2.15	<i>mass increase</i>	%	EGS - EDS s= 4 7 s= 6 - 8 e 10 5
		<i>appearance</i>	<i>rating</i>	EGF - EDF s= 4 10 s= 6- 8 e 10 8 ≥ 4
Stability at elevated temperature	EN 438-2.17	<i>cumulative dimensional change</i>	% long. % long. % trasv. % transv.	s= 4 ≤ 0,40 ≤ 0,80
			% long. % long. % trasv.	s= 6, 8, 10 ≤ 0,30 ≤ 0,60

Resistance to UV light	EN 438-2.28	<i>contrast</i>	<i>grey scale rating</i>	EGS e EGF <i>no requirement</i> EDS e EDF ≥ 3 (after 1500 hours)
		<i>appearance</i>	<i>rating</i>	EGS e EGF <i>no requirement</i> EDS e EDF ≥ 4 (after 1500 hours)
Resistance to artificial weathering (including light fastness)	EN 438-2.29	<i>contrast</i>	<i>grey scale rating</i>	EGS e EGF ≥ 3 (after 325 MJ/m ²) EDS e EDF ≥ 3 (after 650 MJ/m ²)
		<i>appearance</i>	<i>rating</i>	EGS e EGF ≥ 4 (after 325 MJ/m ²) EDS e EDF ≥ 4 (after 650 MJ/m ²)
Thermal conductivity	DIN 52 612	-	W/m .° K	0.25
Coefficient of linear thermal expansion	ASTM D 696	-	° C -1	L = 1,6 x 10 ⁻⁵ ca. T = 3,5 x 10 ⁻⁵ ca.
Tensile strength	EN ISO 527-2	<i>stress</i>	Mpa	L \geq 100 T \geq 70
Flexural strength	EN ISO 178	<i>stress</i>	Mpa	L \geq 100 T \geq 90
Flexural modulus (E)	EN ISO 178	<i>stress</i>	Mpa	L \geq 10.000 T \geq 9.000
Density	ISO 1183	<i>density</i>	gr/cm ³	\geq 1,35

* note: EGS - EGF - EDS - EDF typologies are defined according to the decor

FIRE PERFORMANCE

TEST METHOD	STANDARD	CLASSIFICATION	
		EDF - EGF	EGS - EDS
Small flame and radiant panel	UNI 8457 UNI 9174 UNI 9177	classe 1	classe 2