



Gemini Specialty Finishes

Technical Data Sheet

GSF EC Clad

Hygienic Wall Panel

uPVC

Typical characteristics

Flame retardant
Self-Extinguishing
Moisture absorption
Chemical resistant
Electrically insulating
Good weldability
Good thermoformability
Good glueability
Good impact strength
Good stain resistance

Typical industries

Healthcare
Care Homes
Hospitality
Corporate
Education

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,40
Water absorption	DIN EN ISO 62	%	0,20
Flammability (Thickness from 2.5 mm)	UL 94		V0
Flame and Smoke	CAN/ULC 102.2		Tested
Virgin unpasticized PVC			
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	70
Elongation at break	DIN EN ISO 527	%	10
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3200
Notched impact strength	DIN EN ISO 179	kJ / m ²	2
Shore hardness	DIN EN ISO 868	scale D	83
Ball Hardness	ISO 2039	MPa	140
Bending strength	DIN EN ISO 178	MPa	80
Thermal properties			
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	67
Service Temperature		°C	-10 ... +50
Heat deflection temperature	DIN EN ISO 75	°C	59
Coefficient of linear thermal expansion	DIN EN ISO 11359-2	mm/m K	~ 0,075
Electrical properties			
Dielectric constant	IEC 60250		3,2
Dielectric dissipation factor (10 ⁶ Hz)	IEC 60250		0,02
Volume resistivity	DIN EN 62631-3-1	Ω * cm	>10 ¹⁵
Surface resistivity	DIN EN 62631-3-2	Ω	>10 ¹³
Dielectric strength	IEC 60243	kV / mm	12
Comparative tracking index	IEC 60112	CTI	450

The data stated above are average values ascertained by statistical tests on a regular basis. They are in accordance with DIN EN 15860. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.

