PREMIUM CLADDING COLLECTION

uPVC Cladding Sheet

Product Description

Product full identity:

Unplasticised Polyvinyl Chloride - Cladding

uPVC is a fire-rated, food-approved material that provides a hygienic, hard-wearing solution. With excellent chemical resistance and a wide temperature range, it can be easily cut, formed, glued, and welded, making it perfect for kitchens, bathrooms, gymnasiums, and hospitals.

APPLICATIONS

- Kitchens
- Bathrooms
- Gymnasiums
- Hospitals
- Schools
- Supermarkets
- Refrigerators
- Airports
- Laboratories

Technical Data

Physical	Unit	Test Method	Result
Specific gravity	**g/cm³**	DIN ISO 1183	**1.45**
Water absorption until saturation at 23°C	**%**	MSZ EN ISO 62	**0.20**
Maximum service temp. Upper temp limit – short term	**°C**	-	**60**
Lower temp limit	**°C**	-	**0**
Mechanical	**Unit**	**Test Method**	**Result**
Tensile strength	**MPa**	DIN EN ISO 527-1,2	**>45**
Elongation at yield	**%**	DIN EN ISO 527	**>45**
Tensile strength at break	**MPa**	DIN EN ISO 527	**>20**
Unnotched impact strength	**kJ/m²**	DIN EN ISO 179	**No break**
Notch impact strength	**kJ/m²**	DIN EN ISO 179	**No break**
Shore-D		DIN EN ISO 868	**68**
Tensile modulus of elasticity	**MPa**	DIN EN ISO 527-1.2	**>2500**
Thermal	**Unit**	**Test Method**	**Result**
Vicat-softening point VST/B/50	**°C**	DIN EN ISO 306	**70**
Coefficient of linear thermal expansion 23 – 100°C	**m/(m.K)**	DIN 53752	**0.7**
Thermal conductivity at 23°C	**W/mK**	DIN 52612	**0.2**
Electrical	**Unit**	**Test Method**	**Result**
Surface resistivity	**Ω**	DIN 5348	**10^{13}**
Dielectric strength	**kV/mm**	MSZ EN 60243-1	**18**
Additional Data	**Unit**	**Test Method**	**Result**
Food compliance – FDA		FDA	**No**
Food compliance – EU		EU 10/2011	**Yes**
Flammability	**Unit**	**Test Method**	**Result**
Fire performance		UL 94 DIN 4102 NFP 92-501 (F) BS EN 13501-1 BS 476 Part 6 BS 476 Part 7	**V-0** **B1** **M1** **Class B, s2, d0** **Class 0** **Class 1**