

PENTENS ACW-014

Chopped Strand Fiberglass Mat

Product Data Sheet

Description

PENTENS ACW-014 chopped strand fiberglass mat is made of medium-size strands of E-glass, held together by a powder binder which is extremely soluble in styrene. The basic strand has a sizing system containing a silane coupling agent.

Uses

It is suitable to use with:

- Polyester
- Vinyl ester
- Epoxy resin

Advantages

- Good conformability.
- Fast impregnation.
- Low resin consumption.
- Excellent clarity of the UP lamination.
- Very high tensile strength, suitable for filament winding or continuous laminating.
- Good resistance to watering and chemical agents in anti-corrosive applications.

Technical & Physical Data

Tensile Strength (CNS 13483)		
	MD	14 kgf
	CD	16 kgf
Maximum Load of Elongation (CNS 13483)		
	MD	38 %
	CD	2 %
Peel Strength (CNS 5812) (Flexible Cement)		
		1.4 kgf/cm
Peel Strength (CNS 5812) (Water-based Polyurethane Waterproofing)		
		1.5 kgf/cm
Material Analysis (FTIR)		Main constituent is glass fiber
Chemical Resistance (CNS 4447)(20% NaOH, 168hrs)		No variation
Glass Fiber Content (CNS 12777)		80%
Dimension		1m×100m
Packaging		100m ² /roll

Important Notes

PENTENS ACW-014 should be stored dry in its original packaging. The best conditions are temperature between 15°C and 35°C at relative humidity between 35 - 85%.

If the product is stored at low temperature (below 15°C), it is advisable to condition it in the workshop for at least 24 hours before using it to prevent condensation.



PENTENS



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