

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



UFON NANO-CHEMICAL LTD.

8F, No.2, Lane 348, Sec 2, Chung-Shang Road,
Chung Ho City, Taipei Hsien, Taiwan, R.O.C.
Tel: +886 2 2240 0220 Fax: +886 2 2242 6536
URL: www.pentens.com
E-mail: pentens@ms35.hinet.net

DONG JI (M) SDN. BHD.

No.8, Jalan TPP 5/7, Taman Perindustrian Puchong,
47100 Puchong Selangor, Malaysia.
Tel: +603 8060 4396 Fax: +603 8060 4394
URL: www.pentens.com.my
E-mail: dji@pentens.com.my