



N921

➤ **BRIEF INTRODUCTION**

RTM mat is a stratified reinforcing glass fiber mat composed of 3 layers. 2 layers of fiber glass and 1 layer of synthetic fibers. This reinforcing material has been specially designed for RTM process.

➤ **PRODUCT DESCRIPTION**

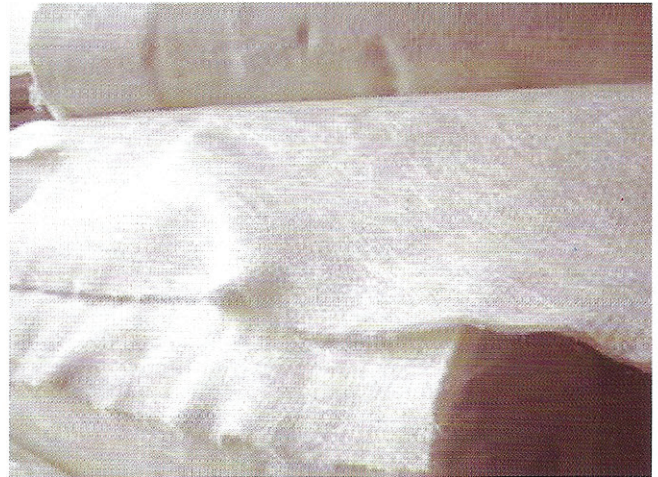
Light RTM mat has been manufactured by stitch bonding technology. These 3 layers are arranged as follows:

LAYER 1: GLASS FIBER

LAYER 2: SYNTHETIC FIBER

LAYER 3: GLASS FIBER

The standard area weight of exterior layers(layer 1 and 3) are 300,450, and 600g/m². The intermediate layer is made by a synthetic material (polypropylene) allowing resin flow faster and providing compressibility to the reinforcement. The areal weight of this layer(layer 2) is 90, 130, 180 and 250g/m².



➤ **PACKAGING**

WIDTH: 125cm-250cm or sub multiple cuts

ROLL LENGTH: 50-60 meters according to the area weight.

PALLETS: from 240kg to 300kg according to the area weight.

➤ **ADVANTAGES**

- High degree of deformability in order to be adaptable to the mould cavities
- Provides good resin flow due to the porous layers.
- Accepts variation of mould cavity thickness.
- Very good mechanical properties due to the stratified construction of fiber glass layer.
- Binder free material provides very good wet out.
- Material capable to be used in cold performing.

➤ **APPLICATION:**

RTM, cold press.





אלמור פיברגלס יבוא יצוא 1996 בע"מ

➤ **SPECIFICATION:**

STYLE	P300C300
STYLE	P300D300
STYLE	P450C450
STYLE	P450D450
STYLE	P600C600
STYLE	P600D600
STYLE	P300D
STYLE	P450D
STYLE	P600D

NOTE: "C" indicates 180g PP CORE "D" indicates 250g PP CORE

➤ **EXAMPLE:**

RTM Mat

STYLE	P300D300
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Technical Characteristic:

Glass composition	E-glass	
Synthetic core composition	polypropylene	
Composition:		
Layer 1 Chopped Strand Mat	Weight	300g/m ²
Layer 2 Synthetic Core	Weight	250g/m ²
Layer 3 Chopped Strand Mat	Weight	300g/m ²
Sewing Thread	g/m ²	10
Sewing Pattern	Tricot Guage3.5	
Weight per unit area	g/m ²	860
Tolerance of nominal valve	%	<12
Glass type of size	Suitable for UP and EP resin	
Sizing	Silane	
Moisture content	%	<0.15
Roll length	50	m
Tube diameter	76	mm