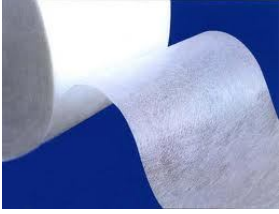




Syna Tissue



A non woven felt made from chopped glass fiber which are put together by a resin is called glass fiber tissue. This tissue can be reinforced by glass yarns.

Applications

Syna Tissue is typically used in roofing isolation, surfacing cover, pipe isolation and other industrial applications.

Product Description

Syna Tissue products are divided into different types according to the type of consumption, some of which are as follows:

I. Roofing Tissue:

This tissue is one of the main materials of manufacturing roofing insulation felts which plays a protective and reinforcing role in these materials. The features of this products are high tensile strength, resistance against abrasion and high bitumen absorption. Also glass yarns are used along the tissue for increasing longitudinal tension and strength of tissue against tear. Another advantage is resistance against UV rays of sunlight. Roof covers that are made by this tissue do not crack, wear and rot easily. Following table shows specifications of this type of tissue:

Property	Unit	Kind					
Area Weight	gr/m ²	50	60	90	50	60	90
Space Between Yarns	mm	-	-	-	8,12,16,25	8,12,16,25	8,12,16,25
Tex	gr/1000m	-	-	-	32-68	32-68	32-68
Binder Content	%	<25	<25	<25	<25	<25	<25
Tensile	N/50mm	190≤	210≤	280≤	230≤	240≤	330≤
Strength MD	N/50mm	120	150	230	90	130	210
Tensile CD	N/50mm						
Width	N/50mm	1-2	1-2	1-2	1-2	1-2	1-2
Roll Length	M	≥3000	≥3000	≥2000	≥3000	≥3000	≥2000
Roll Diameter	M	<120	<120	<120	<120	<120	<120
Internal Diameter of Paper Core	mm	152	152	152	152	152	152

II. Pipe Wrap Tissue:

Glass fiber wrap tissue is the most essential material for reinforcement of metal pipes' covers against abrasion. The most important properties of this tissue are high tensile strength, suitable flexibility, uniform thickness of tissue and resistance against decay plus suitable compatibility for bitumen absorption and saturation by bitumen. Gas and/or oil pipes that are wrapped by this tissue are fully safe against penetration of moisture and environmental elements, therefore maintenance and repair expenses are reduced and optimized. Following table shows specifications of this type of tissue:

Property	Unit	Type		
Area Weight	gr/m ²	50±2	60±2	90±2
Binder Content	%	>20	>20	>20
Tensile Strength MD	N/50mm	≥250	≥300	≥350
Tensile Strength CD	N/50mm	≥75	≥90	≥140
Tear Strength MD	N/50mm	≥100	≥100	≥100
Thickness	mm	≥0.33	≥0.35	≥0.40
Moisture Content	%	<1.00	<1.00	<1.00
Space Between Yarns	mm	8,16	8,16	8,16

III. Surface Finishing Tissue:

This tissue is outer layers of Glass fiber Reinforced Plastic (FRP). Uniform distribution, low absorption, quick saturation of resin, soft surface and easy forming are most important features of this tissue. This type of tissue is capable of increasing the outer tension of FRP, increasing the resistance against pressure and making the outer surface uniform and resistance against abrasion. Following table shows specifications of this type of tissue.

Property	Unit	Kind			
Area Weight	gr/m ²	30	40	50	60
Mono Filament Diameter	μ m	9-13	9-13	9-13	9-13
Soaking time (2 layers)	S	10	13	16	20
Binder Content	%	9-15	9-15	9-15	9-15
Tensile Strength MD	N/50 mm	40	50	60	70
Paper Core Internal Dia	mm	152	152	152	152
Moisture Content	%	≤0.5	≤0.5	≤0.5	≤0.5

Standard packaging

Individual rolls are wound on to a cardboard core, wrapped in PE-film.

Storage

Syna Tissue recommended to be stored in its original packaging in a dry environment. Due to elegance feature recommended to take care of movement during transportation.

Contact

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