

Technical Data Sheet

Reinforcement polyester scrim - 32 g/m² – BICOscrimPES

General description:

A product made from continuous polyester yarn laid down in an open mesh structure and chemically bonded together.

Destination and field of use:

- ✓ **BICOscrimPES 32 g/m²** is designed for the reinforcement of various applications (nonwoven, foils, papers) as EPDM membranes, synthetic membranes, roofing membranes, vapor control underlays, thermo reflective aluminum foils and other applications used both in industrial and civil buildings;
- ✓ For the reinforcement of packaging industry products.

Technical Characteristics:

Characteristics	TESTING METHOD	UNIT	TOLERANCE	VALUE
Appearance of polyester scrim	SR EN ISO 7823-1:2003			without visible physical defects
Coating type				SBR / Acrylic
Yarn type		dtex		1100 / 1100
- MD/CD (warp/weft)				
Density		yarns/10 cm	±1	10 / 10
- MD/CD (warp/weft)				
Dimensions – material width	SR EN ISO 7823-1:2003	mm	±1%	1000 - 2500
Dimensions – material length	SR EN ISO 7823-1:2003	m	±1%	5000 - 10.000
Dimensions – roll diameter		mm	±1%	800 - 1200
Dimensions – cardboard core diameter		mm		152,4
Total weight per unit area	SR 137-95	g/m ²	±5%	70
Hot air shrinkage	PA 16	% max.	±1%	4
- MD				
Hot air shrinkage	PA 16	% max.	±1%	3
- CD				
Tensile strength under normal storage conditions	SR EN 13496:2014	N/5 cm	±1%	340
- MD				
Tensile strength under normal storage conditions	SR EN 13496:2014	N/5 cm	±1%	340
- CD				
Elongation at break under normal storage conditions	SR EN 13496:2014	% min.		22
- MD				
Elongation at break under normal storage conditions	SR EN 13496:2014	% min.		22
- CD				

Tensile strength after 24 hours in alkaline solution at T = +60°C - MD (SBR Coating)	SR EN 13496:2014	N/5 cm	250
Tensile strength after 24 hours in alkaline solution at T = +60°C - CD SBR Coating)	SR EN 13496:2014	N/5 cm	250
Thickness		mm	0,28
Fire reaction class			F (without determined performance)

Properties:

- ✓ High dimensional stability (*guarantees the same tensile strength both on machine direction and cross machine direction*);
- ✓ BICOscrimPES substantially improves the mechanical strength of the finished product in which it is laminated;
- ✓ Increases puncture resistance;
- ✓ Alkali resistant;
- ✓ Minimum thickness and low weight;
- ✓ Excellent flatness that allows a uniform impregnation in the lamination process;

Certifications:

The manufacturer **BICO INDUSTRIES S.A.** has an integrated management system: quality, environment, occupational health and safety, according to **ISO 9001**, **ISO 14001** and **SR OHSAS 18001** – **AEROQ** certificates.

Classification according to chemical regulations. Possible risks, prevention prescriptions:

It does not require marking, it is not a dangerous product.

According to REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL this product does not required a safety data sheet.

Specific conditions, storage, transport:

- ✓ **Specific conditions:** the storage should be organized in clean and dry places, at temperatures between 5°C and 30°C, protected for direct radiation of any source of heat or by the direct action of sunlight;
- ✓ **The storage** should be organized in rolls placed in a vertical plane, in suitable and covered places;
- ✓ **The transport** should be organized in rolls placed in a vertical plane with suitable and covered trucks.

Technical Data Sheet

Reinforcement polyester scrim - 70 g/m² – BICOscrimPES

General description:

A product made from continuous polyester yarn laid down in an open mesh structure and chemically bonded together.

Destination and field of use:

- ✓ **BICOscrimPES 70 g/m²** is designed for the reinforcement of various applications (nonwoven, foils, papers) as EPDM membranes, synthetic membranes, roofing membranes, vapour control underlays, thermo reflective aluminum foils and other applications used both in industrial and civil buildings;
- ✓ For the reinforcement of packaging industry products.

Technical Characteristics:

Characteristics	TESTING METHOD	UNIT	TOLERANCE	VALUE
Appearance of polyester scrim	SR EN ISO 7823-1:2003			without visible physical defects
Coating type				SBR / Acrylic
Yarn type		dtex		1100 / 1100
- MD/CD (warp/weft)				
Density		yarns/10 cm	±1	26 / 26
- MD/CD (warp/weft)				
Dimensions – material width	SR EN ISO 7823-1:2003	mm	±1%	1000 - 2500
Dimensions – material length	SR EN ISO 7823-1:2003	m	±1%	5000 - 10.000
Dimensions – roll diameter		mm	±1%	800 - 1200
Dimensions – cardboard core diameter		mm		152,4
Total weight per unit area	SR 137-95	g/m ²	±5%	70
Hot air shrinkage	PA 16	% max.	±1%	4
- MD				
Hot air shrinkage	PA 16	% max.	±1%	3
- CD				
Tensile strength under normal storage conditions	SR EN 13496:2014	N/5 cm	±1%	880
- MD				
Tensile strength under normal storage conditions	SR EN 13496:2014	N/5 cm	±1%	880
- CD				
Elongation at break under normal storage conditions	SR EN 13496:2014	% min.		22
- MD				

Elongation at break under normal storage conditions - CD	SR EN 13496:2014	% min.	22
Tensile strength after 24 hours in alkaline solution at T = +60°C - MD (SBR Coating)	SR EN 13496:2014	N/5 cm	650
Tensile strength after 24 hours in alkaline solution at T = +60°C - CD SBR Coating)	SR EN 13496:2014	N/5 cm	650
Thickness		mm	0,28
Fire reaction class			F (without determined performance)

Properties:

- ✓ High dimensional stability (*guarantees the same tensile strength both on machine direction and cross machine direction*);
- ✓ BICOscrim substantially improves the mechanical strength of the finished product in which it is laminated;
- ✓ Increases puncture resistance;
- ✓ Alkali resistant;
- ✓ Minimum thickness and low weight;
- ✓ Excellent flatness that allows a uniform impregnation in the lamination process;

Certifications:

The manufacturer **BICO INDUSTRIES S.A.** has an integrated management system: quality, environment, occupational health and safety, according to **ISO 9001**, **ISO 14001** and **SR OHSAS 18001 – AEROQ** certificates.

Classification according to chemical regulations. Possible risks, prevention prescriptions:

It does not require marking, it is not a dangerous product.

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Specific conditions, storage, transport:

- ✓ **Specific conditions:** the storage should be organized in clean and dry places, at temperatures between 5°C and 30°C, protected for direct radiation of any source of heat or by the direct action of sunlight;
- ✓ **The storage** should be organized in rolls placed in a vertical plane, in suitable and covered places;
- ✓ **The transport** should be organized in rolls placed in a vertical plane with suitable and covered trucks.