

TECHNICAL DATA SHEET

Reinforcement fiberglass scrim of 16 g/m² – BICOscrim

DESCRIPTION

Alkali-resistant fiberglass scrim made from continuous glass filament yarn laid down in an open mesh structure and chemically bonded together.

DESTINATION AND FIELD OF USE

- ✓ **The 16 g/m² reinforcement fiberglass scrim – BICOscrim** is specially designed for the reinforcement, by lamination processes, of various industrial materials (nonwoven, foils, papers), as roofing and waterproofing membranes, façade membranes, air and vapor underlays, thermal reflective aluminum foils, floor covering materials, insulation laminating films and other products used both in industrial and civil buildings;
- ✓ **The 16 g/m² reinforcement fiberglass scrim – BICOscrim** can also be used for the reinforcement of packaging industry products.

TECHNICAL CHARACTERISTICS

CHARACTERISTICS	TESTING METHOD	UNITS	TOLERANCE	VALUES
Appearance of fiberglass scrim	SR EN ISO 7823-1:2003			without visible physical defects
Coating type				SBR / Acrylic / PVOH
Yarn Type <i>MD / CMD</i>		tex		34 / 34
Density <i>MD / CMD</i>		yarns/10 cm	±1	20 / 20
Dimensions – material width	SR EN ISO 7823-1:2003	mm	±1%	1000 - 2500
Dimensions – material length	SR EN ISO 7823-1:2003	m	±1%	10.000 - 25.000
Dimensions – roll diameter		mm	±1%	800 - 1200
Dimensions – cardboard core diameter		mm		152,6
Total weight per unit area	SR 137-95	g/m ²	±5%	16
Tensile strength under normal storage conditions - <i>MD</i>	SR EN 13496:2014	N/5 cm	±1%	230
Tensile strength under normal storage conditions - <i>CMD</i>	SR EN 13496:2014	N/5 cm	±1%	230
Elongation at break under normal storage conditions - <i>MD</i>	SR EN 13496:2014	% min.		3,5
Elongation at break under normal storage conditions	SR EN 13496:2014	% min.		3,5

- CMD			
Tensile strength after 24 hours in alkaline solution at T = +60°C	SR EN 13496:2014	N/5 cm	140
- MD			
Tensile strength after 24 hours in alkaline solution at T = +60°C	SR EN 13496:2014	N/5 cm	120
- CMD			
Thickness		mm	0,19
Fire reaction class			F (without determined performance)

*MD = Machine Direction; CMD = Cross Machine Direction;

PROPERTIES

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

CERTIFICATIONS

The manufacturer **S.C. BICO INDUSTRIES S.A.** has implemented 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 REQUIREMENTS

Reinforcement fiberglass scrim does not require marking and is not a dangerous product. According to Regulation (EC) no. 1907/2006 of the European Parliament and of the Council, fiberglass reinforcement does not require a safety data sheet.

SPECIFIC CONDITIONS, STORAGE, TRANSPORTATION

- ✓ **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;
- ✓ **Storage:** it should be stored in rolls positioned vertically, in suitable and covered places;
- ✓ **Transportation:** it should be organized in rolls, positioned vertically on pallets, with suitable and covered trucks.