

Technical Data Sheet

SPA FIBERGLASS MESH

Reinforcement of abrasive discs



SPA fiberglass mesh is made of glass twisted yarns or rovings, not impregnated.

Typical application: SPA fiberglass mesh is intended for reinforcing sand discs and other similar purposes.

Physical and mechanical properties

Property	Unit	SPA-80B	SPA - 100B	SPA - 120B	SPA - 120/1B	SPA - 150B	SPA - 170B	SPA - 260B
Weave		warp-knitting*						
Surface weight	g/m ²	80±10	100 +15/- 10	120±10	120±10	150±15	170±15	260±20
Tensile strength								
Machine Direction	N/5cm	≥450	≥540	≥580	≥580	≥800	≥882	≥1000
Cross-Machine Direction		≥450	≥540	≥580	≥580	≥800	≥882	≥1000
Yarns per 10 cm								
Machine Direction	pcs.	40±1	40±1	40±1	22±2	22±2	22±2	22±2
Cross-Machine Direction		40±1	40±1	40±1	20±4	20±4	20±4	20±4
Standard roll size								
width	cm	128, 146, 164 ± 1.5 cm						
length	m	≥50						

*warp-knit mesh comprises two perpendicular systems of rovings or glass yarns interknit with a polyester yarn. Thanks to uniform arrangement of warp yarns and weft yarns in warp-knit mesh (absence of bends in points of yarns intersection), there are improved tensile properties, evener surface texture of mesh and identical values of tensile strengths along warp and weft.

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Physical and mechanical properties (continuation)

Property	Unit	SPA 80	SPA - 100	SPA - 120	SPA - 120/1	SPA - 150	SPA - 170	SPA - 260
Weave		leno						
Surface weight	g/m ²	80±10	100 +15/- 10	120±10	120±10	150±15	170±15	260±2 0
Tensile strength								
longitudinal	N/5cm	≥450	≥540	≥580	≥580	≥800	≥882	≥1000
transverse		≥450	≥540	≥580	≥580	≥800	≥882	≥1000
Yarns per 10 cm								
Machine Direction	pcs.	80±2	80±2	80±2	40±2	40±2	40±2	40±2
Cross-Machine Direction		40±1	40±1	40±1	20±1	20±1	20±1	20±1
Standard roll size								
width	cm	128, 146, 164 ± 1.5cm.						
length	m	≥50						

Manufacture of the material with other physical and mechanical properties is accepted upon agreeing about with a consumer.

Advantages:

- ✓ Increased strength
- ✓ Improved adhesion to impregnating compounds

