

Product data sheet

3C43 I I

Semi conductive nonwoven conductor
separation tape

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Description

- Nonwoven fabric carbon impregnated laminated
- Callendered, thin.
- High extrudate penetration resistance.
- High tensile strength.
- High temperature resistance.

Technical Data

Properties (23 °C, 50% RH)	Value (nominal)	Unit	International standard (Lantor test method)
Mass per unit area	142	g/m ²	ISO 9073-1
Thickness	0,20	mm	ISO 9073-2
Tensile strength	100	N/cm	ISO 9073-3
Elongation	15	%	ISO 9073-3
Specific length resistance	10	Ωcm	DIN 54345 Part 5
Volume resistivity	100	kΩcm	DIN 54345 Part 1
Swelling speed (1 st min.)	-	mm/min	HD 605 SI/AI (KE100)
Swelling height (≤ 3 min.)	-	mm	HD 605 SI/AI (KE100)
Service temperature	≤ 140	°C	IEC 60216 (TIS 045)
Processing temperature	≤ 225	°C	(Technical Information Sheet 045)
Moisture content (ex work)	1	%	110°C IR drying (TIS 045)
Composition	Polyester Polyacrylate Carbon impregnation		

Application

- Where semi conductive bedding, binding or separation is required e.g.
- Over the stranded conductor in high pressure extrusion processes.
With a single layer up to 50 bar.
With a double layer up to 100 bar.
- Under and or over a metal tape or wire screen.

Make up

Standard *		Pads					Spools
Slit width	mm	15	16 - 20	21 ÷ 30	31 ÷ 50	≥ 51	12 ÷ 50
OD pad / spool	mm	≤ 300	≤ 400	≤ 500	≤ 600	≤ 800	≤ 500
ID core	mm	77, 102, 153					77, 153
Core width	mm	slit width					≤ 500
Wound width	mm						Core width -20

*) Other available dimensions on request

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