

Tunnel mine ventilaiton duct fabric technical specification

Item	Unit	SDC8410	SDC1015	SDC1515	SDCJ1399	SDCJ1312	SDCJ1320	Excutive Standard
Base fabric	-	High strength low shrink polyester fiber						DIN EN 60001
Titer of yarn	D	840*1000	1000*1500	1500*1500	1300*1300	1300*1300	1300*2000	DIN EN ISO 2060
Color	-	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	-
Weave Style	-	Woven fabric	Woven fabric	Woven fabric	Knitted fabric	Knitted fabric	Knitted fabric	DIN ISO 934
Total weight	g/m ²	500±30	550±30	600±30	550±30	600±30	650±30	DIN EN ISO 2286-2
Tensile Strength (Warp/Weft)	N/5cm	1700/1600	2200/2300	2600/2500	1800/1600	2200/2000	2200 /2600	DIN 53354
Tear strength (Warp/Weft)	N	300/350	400/450	600/600	400/350	500/500	500/800	DIN53363
Adhesion strength	N/5cm	60	60	60	70	70	80	DIN53357
Threshold Temperature	℃	-25~+60	-25~+60	-25~+60	-25~+60	-25~+60	-25~+60	DIN EN 1876-2
Fire resistance	-	DIN4102 B1/EN13501/NFPA701/DIN75200						DIN4102 B1/EN13501/NFPA701/DIN75200
Oxygen Index	%	30						BB/T0037-2012
Maximum working pressure of the duct with safety factor 6(Kpa)	Diameter(mm)	SDC8410	SDC1015	SDC1515	SDCJ1399	SDCJ1312	SDCJ1320	Remark
	400	22.7			20			
	500	18.1			16			
	600	15.1			13.3			
	800	11.3			10			
	1000	9.1	12.3	14.4	8			
	1200	7.5	10.2	12	6.7	10.2	16.3	
	1400	6.5	8.8	10.3	5.7	8.8	14	
	1500	6	8.2	9.6	5.3	8.2	13.1	
	1600	5.7	7.7	9	5	7.7	12.3	
	1800	5	6.8	8		6.8	10.9	
	2000		6.1	7.2		6.1	9.8	
2200		5.6	6.5		5.6	8.8		
2400		5.1	6		5.1	8.1		
Section length(m)		≤50	≤100	≤100	≥100	≥100	≥100	
Air supply distance recommendation(m)		>3000	>5000	>5000	>5000	>10000	>10000	
Service lifetime		>2 years	>3 years	>3 years	>5 years	>5 years	>5 years	