

PVC/PVG Solid Woven Belt



Advantages & Application

- High strength fabric with low elongation, light carcass, shock resistant, anti-tear, and good in trough ability.
- Especially suitable for material conveying at inflammable or underground coal mines.

PVC Solid Woven Conveyor Belt

- Suitable for applications in dry conditions at a slope angle of no greater than 16°
- Cover thickness can be from 0.5 to 4 mm.

Nitrile Covered PVG type

- Suitable for applications at a slope angle of less than 20°
- Cover thickness can be from 1 to 8 mm.
- Resistance to wetness, slip, low temperature, and wear resistance of the belt.

PVC and PVG Belt Standards

- US: Title 30 Part 18 Section 18.65
- AU: AS 4606
- Canada: CSA M422-M87
- Germany: DIN 22109 Part 1
- South Africa: SABS 971
- Spain: LOM
- English: BS 3289
- China: MT914-2008

Technical Indexes

Type	Grade	Tensile strength (N/mm)		Elongation at break (%)		Tear Strength (N)	Recommend thickness (mm)
		Warp	Weft	Warp	Weft		
680S	4	680	265	15	18	1100	7.5
800S	5	800	280			1200	8
1000S	6	1000	300			1200	8.5
1250S	7	1250	350			1600	9
1400S	8	1400	350			1600	9
1600S	9	1600	400			-	9
1800S	10	1800	400			-	9
2000S	11	2000	400			-	9
2500S	13	2500	450			-	9
2800S	14	2800	450			-	9
3100S	15	3100	450			-	9
3400S	16	3400	450			-	9

Joins Method

1. SPLICED FINGER JOINTING

Conventional vulcanizing presser are used for this process, in conjunction with a variety of polymeric jointing material developed for maximum joint efficiency. This type of splice enables good quality joints to be made with strengths approaching that of the original belts.

2. MECHANICAL FASTENERS

The thick, high textile content of the solid-woven carcass, combined with the superior PVC impregnation produced by unique process, gives excellent fastener holding properties. A wide range of fasteners including MATO, GORO, FLEXCO and TITAN are suitable for use with Mechanical fasteners.

