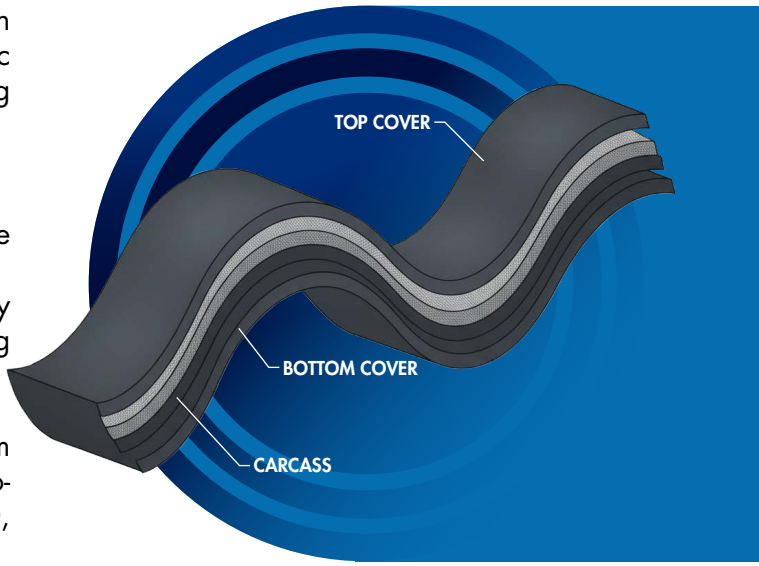
GENERAL PURPOSE CONVEYOR BELT

This illustration shows a typical conveyor belt construction conforming to international specifications. The all-synthetic fabric in the carcass is skim-coated with a cushioning layer of rubber.



Two cover qualities are available:

1. Rubber covers suitable for the conveyance of abrasive materials under average working conditions.
2. Rubber covers suitable for the conveyance of extremely sharp and abrasive materials under severe working conditions.

Conveyor belting is classified according to the minimum full thickness breaking strength of the finished belt in kilo-newtons per meter of width, in accordance with BS490, DIN22102.

Belt class for number of plies Belt				Belt Modulus kN/m	Full thickness breaking strength			
2	3	4	5		Class	Longitudinal direction kN/m width minimum	Transverse direction kN/m width minimum	Recommended maximum operating tension (kN/m)
160				880	160	160	63	16.0
200				1111	200	200	80	20.0
250	250			1390	250	250	100	25.0
315	315	315		1750	315	315	125	21.5
400	400	400	400	2220	400	400	160	40.0
500	500	500	500	2780	500	500	not specified	50.0
630	630	630	630	3500	630	630		63.0
800	800	800	800	4440	800	800		80.0
	1000	1000	1000	5550	1000	1000		100.0
	1250	1250	1250	6940	1250	1250		125.0
		1600	1600	8890	1600	1600		160.0
					2000	2000		200.0
					2500	2500		250.0

COVER MASS									
Cover gauge (mm)	1.6	2.25	3.2	4.0	5.0	6.3	7.0	8.0	10.0
Mass of cover (kg/m2) - Grade 1	1.82	2.28	3.65	4.56	5.70	7.18	7.89	9.12	11.40
Mass of cover (kg/m2) - Grade 2	1.78	2.22	3.55	4.44	5.55	6.99	7.77	8.88	11.10

COVER RATIO

The ratio between the top cover and bottom cover gauges must remain below the specified maximum values in the table to prevent belt curling.

Carcass Thickness (mm)	Maximum Ratio
up to 3.0	2.0 : 1
3.1 - 5.0	3.5 : 1
5.1 - 8.0	4.0 : 1
8.1 - 13.0	5.0 : 1