

Avalani Enterprise

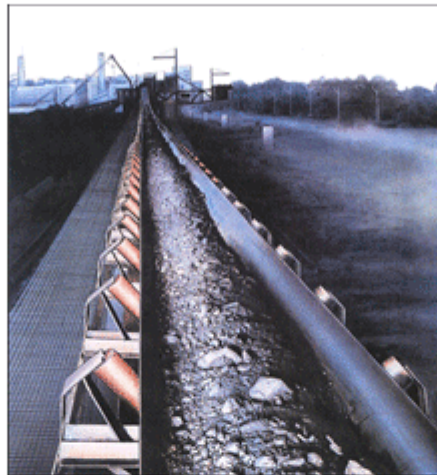
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Sumoflex

Synthetic Conveyor Belt



COVER GRADES :

SYNTHETIC CONVEYOR BELT manufacture M - 24, N - 17, Heat Resistant (HR) and Oil Resistant (OR) grades as per IS-1891. M-24 and N-17 grades also meet abrasion resistant values specified in DIN22102 For grade M and N respectively. These grades also withstand material temperature upto 65° C.

- A) **Superior Heat Resistant Grade (SHR):** has been specially developed for conditions involving heat and temperature above 150° C and upto 180° C.
- B) **Ultra Heat Resistant Grade (UHR):** is suitable for extreme conditions and materials having temperature over 125°c upto 200° C. Both SHR as well as UHR Grades can be used for higher temperatures but with consequent loss of performance.
- C) **Oil Resistant Grade (OR):** has been specially developed to overcome problems associated with chemical and oil contamination when used for handling fertilizers i. e. DAP, MAP, Urea. Can also withstand material temperature upto 90° C.
- D) **Fire Resistant Grade (FR) :** covers are specially developed to meet flame and antistatic requirements as per US Bureau of Mines (MSHA) and Canadian Bureau of Mines (CAN / CSA M422-M87). This Grade is specially meant for coal & sulphur conveying on surface installation.
- E) **Superior Abrasion Resistant Grade (SAR) :** This grade is superior to M 24 grade in abrasion resistant and is suitable for handling material which do not have tendency to cut and gouge but are highly abrasive like crushed coal, iron ore fines, bauxite etc.

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SYNTHETIC EP / NYLON CONVEYOR BELTING SELECTION CHART (VALUES INDICATED ARE NOMINAL)

Sr No.	Belt Type	Duty	Maximum Allowable Working Tension (KNM)	Carcass Thickness (MM)	Carcass Weight (KG/M ²)	Max. Belt Width For Adequate Load Support			Min. Belt Width For Adequate Trough Ability		
						(0.8 T/M ³)	(1.5 T/M ³)	(2.5 T/M ³)	20 ⁰	35 ⁰	45 ⁰
1	250/2	GD	25	1.65	1.84	800	600	450	300	400	400
		HD		2.65	3.04	1000	650	500	400	400	500
2	315/3	GD	31.5	2.75	3.28	1050	800	650	400	450	450
		SD		3.35	4.00	1050	900	750	400	500	500
		HD		3.75	4.48	1200	1000	800	500	500	500
3	400/3	GD	40	2.75	3.38	1050	800	650	400	450	500
		SD		3.35	4.10	1050	1000	750	400	500	650
		HD		3.75	4.58	1200	1050	900	500	600	750
4	500/3	GD	50	3.15	3.42	1200	900	800	400	450	500
		SD		3.55	3.80	1200	1050	900	500	500	650
		HD		4.15	4.62	1400	1200	1050	500	600	750
5	630/3	GD	63	3.50	3.91	1200	1000	800	400	450	500
		SD		4.10	4.63	1200	1050	900	500	500	650
		HD		4.50	5.11	1400	1200	1050	500	600	750
6	630/4	SD	70	4.95	5.60	1400	1200	1000	500	650	800
		HD		5.85	6.68	1600	1400	1200	600	750	900
7	800/4	SD	90	5.15	5.89	1600	1400	1050	500	650	800
		HD		6.05	6.97	1600	1600	1400	600	750	900
8	1000/4	SD	110	5.55	6.61	1600	1400	1200	600	800	900
		HD		6.15	7.33	1600	1600	1500	750	900	1000
9	1250/4	SD	140	5.95	6.90	1600	1600	1500	600	800	900
		HD		6.55	7.62	1600	1600	1600	750	1000	1200
10	1250/5	SD	140	7.10	8.56	1600	1600	1600	650	800	900
		HD		8.30	10.00	1600	1600	1600	800	1000	1200
11	1400/5	SD	155	7.60	8.93	1600	1600	1600	650	900	1000
		HD		8.40	9.89	1600	1600	1600	750	1000	1200
12	1600/5	SD	180	9.70	10.27	1600	1600	1600	750	900	1000
		HD		10.50	11.23	1600	1600	1600	750	1000	1200

Website Designed & Maintained by-

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