

GBT Single-Ply Conveyor Belt Specifications

Belt Type	I-175	I-220	1-330	I-440	I-550
Number of Plies	1	1	1	1	1
Fabric Type	PPN/SW 175	PPN/SW 220	PPN/SW 330	PPN/SW 440	PPN/SW 550
Tensile Strength (min.)	1750	2200	3300	4400	5500
Belt Modulus	15750	19800	29700	39500	49000

Tension Rating 10:1 Safety Factor (minimum PIW)

Mechanical	175	220	300	400	500
Vulcanized	190	245	330	440	550

Belt Carcass and Cover Gauges (inches)

Carcass Gauge	0.090	0.100	0.145	0.156	0.188
Carcass Weight Ft. ²	0.45	0.48	0.72	0.78	0.84
1/32" Cover Wt. Ft. ²	0.192	0.192	0.192	0.192	0.192

Impact Rating (Ft.-lbs.)

	410	515	750	890	1090
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Troughability - Minimum Belt Width (inches)

20° Idlers	12	16	18	24	24
35° Idlers	16	20	24	24	30
45° Idlers	20	24	24	30	36

Minimum Pulley Diameter (inches)

Up to 60%	12	12	16	18	18
61% - 80%	14	14	18	20	20
81% - 100%	16	16	20	24	24

Maximum Belt Width for Load Support (inches)

20° Idlers	0 - 40 lbs. per ft. ³	48	60	72	72	72
	41 - 80 lbs. per ft. ³	42	48	66	72	72
	81 - 120 lbs. per ft. ³	36	42	60	66	72
	Over 120 lbs. per ft. ³	30	36	48	54	60
35° Idlers	0 - 40 lbs. per ft. ³	30	48	66	72	72
	41 - 80 lbs. per ft. ³	24	36	54	60	66
	81 - 120 lbs. per ft. ³	24	36	48	54	60
	Over 120 lbs. per ft. ³	24	30	42	48	54
45° Idlers	0 - 40 lbs. per ft. ³	36	42	54	66	66
	41 - 80 lbs. per ft. ³	30	30	42	54	54
	81 - 120 lbs. per ft. ³	24	30	42	54	54
	Over 120 lbs. per ft. ³	18	24	36	48	48

GBT Dual-Ply Conveyor Belt Specifications

Belt Type	II-500	II-600	II-800	II-1000	II-1250
Number of Plies	2	2	2	2	2
Fabric Type	PPN/SW 250	PPN/SW 300	PPN/SW 400	PPN/SW 500	PPN/SW 625
Tensile Strength (min.)	5000	6000	8000	10000	125000
Belt Modulus	45000	54000	72000	90000	112000

Tension Rating 10:1 Safety Factor (minimum PIW)

Mechanical	500	600	720	900	1125
Vulcanized	550	660	800	1000	1250

Belt Carcass and Cover Gauges (inches)

Carcass Gauge	0.250	0.281	0.313	0.344	0.406
Carcass Weight Ft. ²	1.26	1.38	1.50	1.70	1.92
1/32" Cover Wt. Ft. ²	0.192	0.192	0.192	0.192	0.192

Impact Rating (Ft.-lbs.)

	1265	1575	1800	2200	2725
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Troughability - Minimum Belt Width (inches)

20° Idlers	24	24	30	30	30
35° Idlers	30	30	36	36	36
45° Idlers	36	36	42	42	42

Minimum Pulley Diameter (inches)

Up to 60%	20	20	24	30	30
61%-80%	24	24	30	36	36
81%-100%	30	30	36	42	42

Maximum Belt Width for Load Support (inches)

20° Idlers	0 - 40 lbs. per ft. ³	72	72	72	84	84
	41 - 80 lbs. per ft. ³	72	72	72	84	84
	81 - 120 lbs. per ft. ³	72	72	72	84	84
	Over 120 lbs. per ft. ³	66	72	72	84	84
35° Idlers	0 - 40 lbs. per ft. ³	72	72	72	84	84
	41 - 80 lbs. per ft. ³	72	72	72	84	84
	81 - 120 lbs. per ft. ³	66	72	72	84	84
	Over 120 lbs. per ft. ³	60	66	72	72	84
45° Idlers	0 - 40 lbs. per ft. ³	72	72	72	84	84
	41 - 80 lbs. per ft. ³	72	72	72	84	84
	81 - 120 lbs. per ft. ³	60	60	72	84	84
	Over 120 lbs. per ft. ³	54	54	66	84	84