

GBT Multi-Ply Conveyor Belt Specifications

Belt Type	2-220	2-250	2-300	3-330	3-375	4-440	4-500	3-500
Number of Plies	2	2	2	3	3	4	4	3
Fabric Type	PN 110	PN 125	PN 150	PN 110	PN 125	PN 110	PN 125	PN 150
Tensile Strength (min.)	2200	2500	3000	3300	3750	4400	5000	5000
Belt Modulus	13750	15000	16400	20625	22500	27500	30000	33000

Tension Rating 10:1 Safety Factor (minimum PIW)

Mechanical	220	250	300	330	375	440	500	500
Vulcanized	220	250	300	330	375	440	500	500

Belt Carcass and Cover Gauges (inches)

Carcass Gauge	0.120	0.130	0.175	0.175	0.190	0.225	0.250	0.220
Carcass Weight Ft. ²	0.66	0.75	1.00	0.94	1.07	1.26	1.42	1.27
1/32" Cover Wt. Ft. ²	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192

Impact Rating (Ft.-lbs.)

	460	480	685	670	730	880	1000	1000
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Troughability - Minimum Belt Width (inches)

20° Idlers	16	14	18	24	24	30	30	24
35° Idlers	18	18	24	24	24	30	30	24
45° Idlers	24	24	30	30	30	36	36	30

Minimum Pulley Diameter (inches)

up to 60%	10	12	16	12	14	16	18	16
61% - 80%	14	14	14	16	16	20	20	18
81% - 100%	16	16	12	18	18	24	24	22

Maximum Belt Width for Load Support (inches)

20° Idlers	0 - 40 lbs. per ft. ³	48	54	60	60	72	72	84	72
	41 - 80 lbs. per ft. ³	42	48	54	54	60	60	72	66
	81 - 120 lbs. per ft. ³	36	42	48	48	54	60	72	60
	Over 120 lbs. per ft. ³	30	36	42	42	48	54	60	54
35° Idlers	0 - 40 lbs. per ft. ³	42	48	54	54	60	60	72	66
	41 - 80 lbs. per ft. ³	36	42	48	48	60	54	60	60
	81 - 120 lbs. per ft. ³	36	42	48	48	54	54	60	54
	Over 120 lbs. per ft. ³	24	30	36	36	42	48	54	48
45° Idlers	0 - 40 lbs. per ft. ³	42	48	54	48	54	60	72	60
	41 - 80 lbs. per ft. ³	30	36	42	42	48	48	54	54
	81 - 120 lbs. per ft. ³	24	30	42	36	48	48	54	48
	Over 120 lbs. per ft. ³	NR	NR	30	30	36	42	48	42

GBT Multi-Ply Conveyor Belt Specifications

Belt Type	4-600	3-600	3-750	5-750	4-800	5-1000	4-1000	5-1250
Number of Plies	4	3	3	5	4	5	4	5
Fabric Type	PN 150	PN 200	PN 250	PN 150	PN 200	PN 200	PN 250	PN 250
Tensile Strength (min.)	6000	6000	7500	7500	8000	10000	10000	12500
Belt Modulus	44000	46200	60000	55000	61600	77000	80000	10000

Tension Rating 10:1 Safety Factor (minimum PIW)

Mechanical	600	600	750	750	800	1000	1000	1250
Vulcanized	660	660	825	825	880	1100	1100	1375

Belt Carcass and Cover Gauges (inches)

Carcass Gauge	0.275	0.245	0.265	0.310	0.325	0.410	0.355	0.450
Carcass Weight Ft. ²	1.50	1.48	1.56	1.98	1.86	2.66	1.92	2.40
1/32" Cover Wt. Ft. ²	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192

Impact Rating (Ft.-lbs.)

	1300	1100	1100	1120	1140	1200	1175	1250
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Troughability - Minimum Belt Width (inches)

20° Idlers	36	30	36	36	36	42	42	48
35° Idlers	36	30	36	36	36	42	42	48
45° Idlers	42	36	42	42	42	48	48	54

Minimum Pulley Diameter (inches)

Up to 60%	20	18	20	20	20	26	24	30
61% - 80%	22	20	24	24	24	30	30	36
81% - 100%	28	24	30	30	30	36	36	42

Maximum Belt Width for Load Support (inches)

20° Idlers	0 - 40 lbs. per ft. ³	84	84	84	84	84	84	81	
	41 - 80 lbs. per ft. ³	72	72	72	84	84	84	84	
	81 - 120 lbs. per ft. ³	66	72	72	84	84	84	84	
	Over 120 lbs. per ft. ³	60	60	60	72	72	84	72	84
35° Idlers	0 - 40 lbs. per ft. ³	72	72	72	84	84	84	84	
	41 - 80 lbs. per ft. ³	72	60	60	72	72	84	72	84
	81 - 120 lbs. per ft. ³	66	60	60	72	72	84	72	84
	Over 120 lbs. per ft. ³	60	54	54	60	60	72	60	84
45° Idlers	0 - 40 lbs. per ft. ³	72	72	66	84	84	84	84	
	41 - 80 lbs. per ft. ³	66	54	54	72	72	84	72	84
	81 - 120 lbs. per ft. ³	60	54	54	72	72	72	60	84
	Over 120 lbs. per ft. ³	54	48	48	60	60	60	60	72