

PLYLON CONVEYOR BELT DATA		Plylon 220	Plylon 330	Plylon 440
Number of Plies		2	3	4
Fabric Type*		P/N	P/N	P/N
Vulcanized & Fastener Rating (piw)		220	330	440
Impact Index**		1.1	1.5	1.9
Approx. Carcass Gauge (in.)		0.12	0.16	0.22
Approx. Carcass Weight (lbs/sq.ft.)		0.7	0.94	1.3
Approx. 1/32 cover wt (lbs/sq.ft.)		0.19	0.19	0.19
Avg. Permanent Elongation (%) ***		0.8	0.8	0.8
Belt modulus (piw)		23000	34500	46000
Step Length (in.)		10	10	10
Recommended Fasteners	Plate	140	190	BR-10
	Hinge	R2	R2	R5
	Hinge	U35A	U35A	U35

Plylon rated belt tension can exceed 100%, with a maximum of 150%, during starting and stopping conditions.

Fastener size recommendation may vary due to cover thickness, pulley diameters and system tension. *P/N=Polyester/Nylon

** Impact index provides a relative impact absorption value on any Goodyear construction assuming that the material size, material shape, drop height, impact idlers/bed, top cover and pulley cover are all the same.

*** Average permanent elongation values at 100% of rated belt tension are based on ISO 9856 test procedure. Consult Goodyear field sales or GAD for elastic & total elongation calculations specific to each system based on Minuteman 2000 calculations.

PLYLON LOAD SUPPORT (Maximum Belt Width) (in.)

Material Weight	0-40 lbs/cu.ft.			41-80 lbs/cu.ft.			81-120 lbs/cu.ft.			Over 120 lbs/cu.ft.			
	Trough Idlers	20 deg	35 deg	45 deg	20 deg	35 deg	45 deg	20 deg	35 deg	45 deg	20 deg	35 deg	45 deg
Plylon 220/2	220/2	48	42	36	48	36	36	42	36	30	36	30	NR
Plylon 330/3	330/3	60	54	48	60	48	42	54	48	42	48	42	36
Plylon 440/4	440/4	72	60	54	72	54	48	60	54	48	60	48	42

On systems with troughing idler spacing greater than 5 ft OR idler roll gap greater than 1/2 in., consult Goodyear.

PLYLON TROUGHABILITY (Minimum Belt Width) (in.) (Table based on ISO 703 Testing Procedure)

Idlers	Plylon 220/2	Plylon 330/3	Plylon 440/4
20 degree idlers	14	18	24
35 degree idlers	18	24	30
45 degree idlers	24	30	36

If top cover and pulley cover are balanced (i.e. 3/16"x 3/16") or less than 1/16" differential (i.e. 3/16" x 5/32"), add 6" to the minimum belt width.

6" narrower widths are possible if the belt is broken in for an extended period fully loaded. Consult Goodyear.

Additional break in time is required when the belt has been stored prior to installation in ambient temperatures of less than 50 degrees Fahrenheit.

PLYLON MINIMUM PULLEY DIAMETERS (in.)

	Plylon 220/2	Plylon 330/3	Plylon 440/4
Number of Plies	2	3	4
Over 80% Tension	16	18	24
60% to 80% Tension	14	16	20
40% to 60% Tension	10	12	16
Up to 40% Tension	10	12	16
Tails and Snubs	10	12	16