

## PLYLON CONVEYOR BELT DATA - Metric

	Pylon 220	Pylon 330	Pylon 440
Number of Plies	2	3	4
Fabric Type*	P/N	P/N	P/N
Vulcanized & Fastener Rating (kN/m)	39	58	77
Impact Index**	1.1	1.5	1.9
Approx. Carcass Gauge (mm.)	3.0	4.0	5.6
Approx. Carcass Weight (kg/sq.m).	3.4	4.6	6.3
Approx. 1 mm cover wt (kg/sq.m)	1.2	1.2	1.2
Avg. Permanent Elongation (%) ***	0.8	0.8	0.8
Belt modulus (kN/m)	4,000	6,000	8,000
Step Length (mm)	250	250	250
Recommended Fasteners	Plate	190	BR-10
	Hinge	R2	R5
	Hinge	U35A	U35

Pylon 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) (mm.)

Material Weight		0-640 kg/m <sup>3</sup>			641-1280 kg/m <sup>3</sup>			1281-1920 kg/m <sup>3</sup>			Over 1920 kg/m <sup>3</sup>		
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
Pylon	220/2	1200	1050	900	1200	900	900	1050	900	750	900	750	NR
Pylon	330/3	1500	1400	1200	1500	1200	1050	1400	1200	1050	1200	1050	900
Pylon	440/4	1850	1500	1400	1850	1400	1200	1500	1400	1200	1500	1200	1050

On systems with troughing idler spacing greater than 5 ft OR idler roll gap greater than 12.7mm., consult Goodyear.

## PLYLON TROUGHABILITY (Minimum Belt Width) (mm) (Table based on ISO 703 Testing Procedure)

	Pylon 220/2	Pylon 330/3	Pylon 440/4
Idlers			
20 degree idlers	350	450	600
35 degree idlers	450	600	750
45 degree idlers	600	750	900

If top cover and pulley cover are balanced (i.e. 5mm x 5mm) or less than 2mm differential (i.e. 4 mm x 3 mm), add 150 mm to the minimum belt width.

150 mm 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 10 degrees Centigrade.

## PLYLON MINIMUM PULLEY DIAMETERS (mm)

	Pylon 220/2	Pylon 330/3	Pylon 440/4
Number of Plies	2	3	4
Over 80% Tension	400	450	600
60% to 80% Tension	350	400	500
40% to 60% Tension	250	300	400
Up to 40% Tension	250	300	400
Tails and Snubs	250	300	400