Technical datasheet

# PTW231 AmTube 504



## Article code: EWPT000001 General information



Product group	endless woven						
Industry segment	Paper & print: Co	orrugated	board				
Main product feature	High grip, Abrasion resistant, Dusty environment, Non-marking						
Application	Tube winders						
Indication of use	Abrasive applications, High friction conveying						
Belt construction							
Tension layer		polyes	ster				
Number of plies		1					
Top side	material	material Ropan, PUR					
	finish	GROUND GRIT 40					
	color	lor white					
Bottom side	material	material Ropan, PUR					
	finish	GROU	ND GRIT 40				
	color	white					
Characteristics							
Antistatic (AS)	no						
Flame-retardant (FR)	no						
Technical data							
Hardness	top cover		ISO 868		Shore		
	bottom cover		ISO 868		Shore		
Force at 1% elongation			ISO 21181		N/mm	285.51	lbs/in
Thickness	belt						
					mm	0.16	
	top cover			1.2	mm	0.05	in.
	top cover bottom cover			1.2 1.2	mm mm	0.05 0.05	in. in.
-				1.2 1.2 3.9	mm mm kg/m²	0.05 0.05 0.8	in. in. Ibs/ft <sup>2</sup>
Length			from / to	1.2 1.2 3.9 2500 / 10000	mm mm kg/m² mm	0.05 0.05 0.8 98.43 / 393.7	in. in. Ibs/ft <sup>2</sup> in.
Length Width			from / to min. / max.	1.2 1.2 3.9 2500 / 10000 50 / 250	mm mm kg/m² mm mm	0.05 0.05 0.8 98.43 / 393.7 1.97 / 9.84	in. in. Ibs/ft <sup>2</sup> in. in.
Weight Length Width Operating temperature				1.2 1.2 3.9 2500 / 10000 50 / 250 -20 / 90	mm mm kg/m <sup>2</sup> mm mm	0.05 0.05 0.8 98.43 / 393.7 1.97 / 9.84 -4 / 194	in. in. Ibs/ft <sup>2</sup> in. in. °F
Length Width	bottom cover		min. / max.	1.2 1.2 3.9 2500 / 10000 50 / 250	mm mm kg/m <sup>2</sup> mm mm	0.05 0.05 0.8 98.43 / 393.7 1.97 / 9.84	in. in. Ibs/ft <sup>2</sup> in. in. °F
Length Width	bottom cover		min. / max. from / to	1.2 1.2 3.9 2500 / 10000 50 / 250 -20 / 90 -30 / 110	mm mm kg/m <sup>2</sup> mm mm	0.05 0.05 0.8 98.43 / 393.7 1.97 / 9.84 -4 / 194	in. in. lbs/ft² in. °F °F
Length Width Operating temperature Minimum pulley diameter	bottom cover		min. / max. from / to	1.2 1.2 3.9 2500 / 10000 50 / 250 -20 / 90 -30 / 110	mm kg/m² kg/	0.05 0.05 0.8 98.43 / 393.7 1.97 / 9.84 -4 / 194 -22 / 230	in. in. lbs/ft² in. °F °F
Length Width Operating temperature Minimum pulley diameter Tolerances	bottom cover continuous short		min. / max. from / to from / to	1.2 1.2 3.9 2500 / 10000 50 / 250 -20 / 90 -30 / 110 40	mm kg/m <sup>2</sup> mm mm °C °C mm em mm	0.05 0.05 0.8 98.43 / 393.7 1.97 / 9.84 -4 / 194 -22 / 230 1.57	in. in. in. °F °F in.
Length Width Operating temperature Minimum pulley diameter Tolerances Length	bottom cover		min. / max. from / to from / to minimum ±	1.2 1.2 3.9 2500 / 10000 50 / 250 -20 / 90 -30 / 110 40	mm   kg/m <sup>2</sup>   mm   °C   °C   mm	0.05 0.05 0.8 98.43 / 393.7 1.97 / 9.84 -4 / 194 -22 / 230 1.57 0.79	in. ibs/ft <sup>2</sup> in. °F °F in.
Length Width Operating temperature Minimum pulley diameter Tolerances	bottom cover continuous short		min. / max. from / to from / to	1.2 1.2 3.9 2500 / 10000 50 / 250 -20 / 90 -30 / 110 40 20 1	mm kg/m <sup>2</sup> mm mm °C °C mm em mm	0.05 0.05 0.8 98.43 / 393.7 1.97 / 9.84 -4 / 194 -22 / 230 1.57	in. Ibs/ft <sup>2</sup> in. °F °F in. in.

#### Side view



#### Standard AmTube range

Belttype	AmTube 500 series	AmTube 700 series		
Article code	GK 1002	GK 1752		
Weave	broken twill weave	broken twill weave		
Fabric	polyester	polyester		
Force at 1% elongation	50 N/mm	90 N/mm		
Cover	PUR: white Ropan 70° Shore A	PUR: white Ropan 70° Shore A		
Coefficient of friction	0.8	0.8		
Total belt thickness	4 -7 mm	8 -14 mm		
Tube diameter	40 mm and more	60 mm and more		
Wall thickness	2 - 8 mm	4 mm and more		
Necessary belt width	10 mm smaller than feed paper	10 mm smaller than feed paper		
Min. Tube diameter	10x belt thickness	10x belt thickness		
Temperature resistance	max. 90 °C	max. 90 °C		
Belt length	2500 - 70000 mm	2500 - 70000 mm		
Belt width	40 - 800 mm	40 - 800 mm		
Edge finish	fully closed over min 5.0 mm	fully closed over min 5.0 mm		

### Additional information

This sheet contains typical values, which apply to a temperature of approx. 20 °C (68 °F), unless otherwise stated, individual data may differ.

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