

# PTW231 AmTube 505

Article code: EWPT000011

## General information

<b>Product group</b>	endless woven
<b>Industry segment</b>	Paper & print: Corrugated board
<b>Main product feature</b>	High grip, Abrasion resistant, Dusty environment, Non-marking
<b>Application</b>	Tube winders
<b>Indication of use</b>	Abrasive applications, High friction conveying

## Belt construction

<b>Tension layer</b>		polyester
<b>Number of plies</b>		1
<b>Top side</b>	<b>material</b>	Ropan, PUR
	<b>finish</b>	GROUND GRIT 40
	<b>color</b>	white
<b>Bottom side</b>	<b>material</b>	Ropan, PUR
	<b>finish</b>	GROUND GRIT 40
	<b>color</b>	white

## Characteristics

<b>Antistatic (AS)</b>	no
<b>Flame-retardant (FR)</b>	no

## Technical data

<b>Hardness</b>	top cover	ISO 868	70A Shore	
	bottom cover	ISO 868	70A Shore	
<b>Force at 1% elongation</b>		ISO 21181	50 N/mm	285.51 lbs/in.
<b>Thickness</b>	belt		5 mm	0.2 in.
	top cover		1.7 mm	0.07 in.
	bottom cover		1.7 mm	0.07 in.
<b>Weight</b>			4.9 kg/m <sup>2</sup>	1 lbs/ft <sup>2</sup>
<b>Length</b>		from / to	2500 / 10000 mm	98.43 / 393.7 in.
<b>Width</b>		min. / max.	50 / 250 mm	1.97 / 9.84 in.
<b>Operating temperature</b>	continuous	from / to	-20 / 90 °C	-4 / 194 °F
	short	from / to	-30 / 110 °C	-22 / 230 °F
<b>Minimum pulley diameter</b>			50 mm	1.97 in.

## Tolerances

<b>Length</b>	± 0.7 %	minimum ±	20 mm	0.79 in.
<b>Width</b>		±	1 mm	0.04 in.
<b>Thickness</b>		±	0.2 mm	0.01 in.

## Side view



## Standard AmTube range

Beltype	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.