



TPU conveyor belts, **ARTE-TPUBELT** are an excellent solution for protecting the rubber surface against premature wear. The mining industry applications proved the superior qualities of this compound. Compared to a standard belt, TPU prolongs the lifespan of the belt up to 20 times. The TPU belt will have excellent characteristics : abrasion resistance, high elasticity, good oil, fat and solvents resistance, resistance to weather, very good resistance to powerful radiation and also microbial proof. Desmopan is the commercial name of the TPU manufactured by Bayer Material Science AG. **ARTE-TPUBELT** belts can work in temperatures ranging from - 30 to +70°C.

#### Characteristics for rubber covers

ARTEGO standard	DIN	Tensile strength	Elongation at break	Abrasion	Technical specifications Application range
TPUBELT	DIN W	180	400	90	Rubber covers with excellent abrasion resistance.
	DIN X	250	450	120	Very good tensile strength and tear resistance. Also satisfactory abrasion levels.
	DIN Y	200	400	150	General use conveyor belts for most applications.
	DIN Z	150	350	250	Ideal for light working conditions.

#### Characteristics of TPU

Type	Desmopan 385 E/S	
Characteristics	Standard for testing methods.	Values
Shore Hardness ,method A	ISO 868	85
Tensile strength, MPA	DIN 53504	51
Elongation at break , %	DIN 53504	425
Compression set 72h ; 23 °C,%	ISO 815	25
Impact resilience , %	ISO 4662	42
Strength for tear propagation KN/m	ISO 34-1	70
Density, kg/m <sup>3</sup>	ISO 1183	1200
Abrasion resistance , mm <sup>3</sup> , max.	ISO 4649	30

For more information, prices and technical support please visit our website at [www.artego.ro](http://www.artego.ro)

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