

Construction of the belts

GTP belts are composed of the fabric and rubber core with 2, 3, 4, 5 separators which are made of EP fabrics (polyester and polyamide) or PP fabrics (polyamide), as well as liners and a rim, which are made of L rubber in accordance with PN-EN ISO 14890:2004, whose property is S in accordance with ISO 433, i.e. they are hardly inflammable and anti-electrostatic. Moreover, the hardness of the rubber GTP belts are made of is 65 ± 5 [°ShA], while its grindability is maximum 150 [mm³].

Standard series of types for hardly inflammable belts 14890 GTP EP min. 2+2 LS (table 1)

Symbol of the tape	Mining approval symbols	Longitudinal strength [N/mm] Min.	Mass of the core cca [kg/m ²]	Thickness of the core cca [mm]	Remarks	
14890 GTP EP 800 2	GM-130/05	800	8,00	6,0	In order to calculate the mass of 1m ² of the belt depending on the thickness of the liners, add to the specified mass of the core in class LS the value 1.34 [kg] for each 1[mm] of the liner, e.g.: the mass of the belt 14890 GTP EP 1250 3 4+3 LS is cca $11.60 + 7 \times 1.34 = 20.98$ [kg/m ²]	
14890 GTP EP 800 3			11,10	6,8		
14890 GTP EP 800 4			11,10	6,4		
14890 GTP EP 1000 2		1000	9,40	7,2		
14890 GTP EP 1000 3			10,50	7,4		
14890 GTP EP 1000 4			13,10	7,8		
14890 GTP EP 1000 5			13,80	8,2		
14890 GTP EP 1250 3		1250	11,60	7,4		
14890 GTP EP 1250 4			14,40	9,4		
14890 GTP EP 1250 5			16,40	9,2		
14890 GTP EP 1400 3		1400	14,10	9,0		
14890 GTP EP 1400 4			15,50	10,2		
14890 GTP EP 1600 3		1600	14,20	9,9		
14890 GTP EP 1600 4			15,50	10,2		
14890 GTP EP 1600 5			17,60	12,0		
14890 GTP EP 1800 4		GM-26/06	1800	18,70		12,4
14890 GTP EP 1800 5		GM-130/05	2000	20,80		13,0
14890 GTP EP 2000 4				18,70		12,4
14890 GTP EP 2000 5				20,80		13,0

Belts with fabric and rubber cores with EP spacers (polyester and polyamide)



PO Box 292, Bruma, 2026
218 Regent Street East
Observatory
Johannesburg, 2198

Phone: (011) 648-9294
Fax: (011) 648-0790
Cell: 082 413 5768
e-mail: charles@strongpoint.co.za
www.strongpoint.co.za

Mean values obtained in production

Elongation at a load equivalent to 10% of nominal strength	For EP core	For type 1250 - max. 1,5%
		Above 1250 - max. 2%
Elongation at the moment of breakage	For PP core	For type 1250 - max. 2%
		Above 1250 - max. 3%
Resistance to delaminating	For EP core	Maximum 25%
	For PP core	Maximum 35%
Resistance to delaminating	Rubber liners and rims between spacers	min. 5 N/mm
		min. 6 N/mm