

## OIL RESISTANT CONVEYOR BELTS

The cover rubber compound is especially conceived for resistance to mineral oils and grease. It has also good abrasion and weather resistance. This conveyor belt is recommended for the contact with oil treated materials. When ordering belts please mention the following: type of oil, approximate quantity of oil content, details of temperatures involved, details of previously used belts..

UFLEX type combines high performance of product (high impact rip and tear resistance, high resistance to flexural fatigue, shocks and impacts), with specially compounded oil semi-resistant rubber covers

### Product characteristic

Dimensions	Width , mm	covered edges		800 – 1600 ± 1%								
		cut edges		500 – 600 ± 1%								
	Thickness, mm			4 - 24								
	Deviation from thickness	belt	under 10mm	± 1mm								
			over 10mm	± 10%								
		rubber cover	under 10mm	± 0.2mm								
			over 10mm	± 5%								
Length, m, max.			300 ± 0.5%									
Insertion's characteristic	Insertion number			2 - 6								
	Type of insertion			EP 80	EP 100	EP 125	EP 160	EP 200	EP 250	EP 315	EP 400	EP 500
	Tensile strength, kgf, (for 50mm*200mm)	longitudinal	500	700	800	1000	1200	1500	2000	2200	2800	
		transversal	250	250	350	380	500	500	500	500	500	
Adhesion, kgf/cm, min	Between plies			5								
	Between insertions and rubber cover	Under 1.5mm	3.5									
		Over 1.5mm	4.5									
Edges		Covered edges		For further protection, the edges are molded integrally with rubber covers.								
		Cut edges		The impregnated carcass is fully water tight and impervious to ingress of liquids. Cut edges do therefore not represent a risk to belt life.								
Surfaces				-both surfaces covered -one surface covered and the other uncovered -both surfaces uncovered <sup>*)</sup>								
Breaking force of conveyor belt, (kgf/cm)				It is given by the type and number of insertions								

<sup>\*)</sup> Both surfaces uncovered:

Dimensions	Width , mm		1200 ± 1%	1200 ± 1%
	Thickness, mm		3 ± 10%	4 + 0.5
	Length, m, max.		300 ± 0.5%	300 ± 0.5%
Insertion's characteristic	Insertion number		3	4
	Type of insertion		EP 100	EP 125
	Tensile strength, kgf, (for 50mm*200mm)	longitudinal	700	800
		transversal	250	350
Adhesion, kgf/cm,	Internal ply – internal ply		-	5
	External ply – external ply		3.5	3.5
Edges			Cut edges	
Surface			Both surface uncovered	
Breaking force of conveyor belt,(kgf/cm)			It is given by type and number of insertions	

Cover rubber grade

Cover grade			Tensile strength, min (daN/cm2)	Elongation at break, min.,(%)	Abrasion loss, max, (mm³)	Resistance to oils						
						ASTM # 1oil					ASTM # 2oil	ASTM # 3oil
Group	Type	Norm				ΔV (%)	ΔW (%)	ΔH (%)	ΔTS (%)	ΔEB (%)	ΔV, max (%)	ΔV, max (%)
1	120	DIN 22 102	140	350	210	±10 <sup>*)</sup>	-	-	-	-	-	±35 <sup>*)</sup>
2	280 <sup>****)</sup>	DIN 22 102	140	350	200	±8 <sup>**)</sup>	-	-	-	-	±25	-
3	333	DIN 22 102	80	400	-	±10 <sup>**)</sup>	-	-	-	-	-	-
4	UFLEX	DIN 22 102	150	400	150	-	±10 <sup>***)</sup>	±10 <sup>***)</sup>	±20 <sup>***)</sup>	±30 <sup>***)</sup>	-	-
5	416	DIN 22 102	150	400	150	Medium oils resistant; in contact with turpentine - do not modify the rubber covers; brittleness point (-40°C): no cracks.						

<sup>\*)</sup> 70hr\*100°C  
<sup>\*\*) 70hr\*100°C (Conveyor belts with the both surfaces uncovered)  
<sup>\*\*\*) 24hr\*70°C (Oils semi-resistant conveyor belts)  
<sup>\*\*\*\*) **Anti-static, oil & flame resistant conveyor belts; see also Flame Resistant Conveyor Belt.**</sup></sup></sup>

ΔV - volume change;  
ΔW - weight variation;  
ΔH - hardness variation;  
ΔTS - tensile strength variation;  
ΔEB - elongation at break variation.