

BELT CHARACTERISTIC

Producer	FTT Wolbrom S.A.	
Belt type	Normal (with molded edges)	
Belt designation	DIN 22102-400-EP-500/3 4/2 W DIN 22102-500-EP-500/3 4/2 W DIN 22102-600-EP-500/3 4/2 W DIN 22102-650-EP-500/3 4/2 W DIN 22102-800-EP-500/3 4/2 W DIN 22102-1000-EP-500/3 4/2 W DIN 22102-1200-EP-500/3 4/2 W DIN 22102-1400-EP-500/3 4/2 W	
Fabric ply parameters		
Type of fabric ply		EP 160
Number of plies		3
Fabric ply tensile strength	warp weft	min. 160 [N/mm] min. 80 [N/mm]
Belt parameters		
Belt width	400 ; 500 [mm] ± 5 [mm] 600 ; 650 ; 800 ; 1000 ; 1200 ; 1400 [mm] ± 1 [%]	
Belt mass	~ 11,1 [kg/m ²]	
Tensile strength (longitudinal)	min. 500 [kN/m]	
Elongation at load of 10% value of nominal strength	max. 1,5 [%]	
Average separation resistance:		
Of rubber cover from the core	≥ 4,5 [N/mm]	
Between plies	≥ 5,0 [N/mm]	
Operating cover thickness	4 [mm] (+1/-0,2 [mm])	
Non operating cover thickness	2 [mm] (+1/-0,2 [mm])	
Total belt thickness	9 [mm] ± 1 [mm]	
Electrical conductivity acc. EN ISO 284	max. 300 [MΩ]	
Operating temperature	from -25 to +60 [°C]	
Recommended minimum drum diameters acc. DIN 22101 for load of belt factor 60-100 % :		
A – Drive pulleys and other pulleys in the range of high belt tensions		400 [mm]
B – Deflection pulleys and other pulleys in the range of low belt tensions		315 [mm]
C – Snub pulleys (change in belt moving direction ≤ 30°)		250 [mm]
Parameters of cover rubber		
Rubber class (according to DIN 22102)	W	
Tensile strength, min.	18 [MPa]	
Elongation at break, min.	400 [%]	
Abrasion, max.	90 [mm ³]	
Hardness	65 ± 5 [°Sh A]	
Density	1,13 ± 0,02 [g/cm ³]	
Belt manufactured and branded according to DIN 22102 and agreed upon customer		

