

BELT CHARACTERISTIC

Producer	FTT Wolbrom S.A.		
Belt type	Normal (with molded edges)		
Belt designation	DIN 22102-400-EP-315/2 3/2 W DIN 22102-500-EP-315/2 3/2 W DIN 22102-600-EP-315/2 3/2 W DIN 22102-650-EP-315/2 3/2 W DIN 22102-800-EP-315/2 3/2 W DIN 22102-1000-EP-315/2 3/2 W DIN 22102-1200-EP-315/2 3/2 W		
Fabric ply parameters			
Type of fabric ply	EP 160		
Number of plies	2		
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 [mm] ± 1 [%]		
Belt mass	~ 8,4 [kg/m ²]		
Tensile strength (longitudinal)	min. 315 [kN/m]		
Elongation at load of 10% value of nominal strength	max. 1,5 [%]		
Average separation resistance:	Of rubber cover from the core Between plies	≥ 4,5 [N/mm] ≥ 5,0 [N/mm]	
Operating cover thickness	3 [mm] (+1/-0,2 [mm])		
Non operating cover thickness	2 [mm] (+1/-0,2 [mm])		
Total belt thickness	7 [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		250 [mm]	
B – Deflection pulleys and other pulleys in the range of low belt tensions		200 [mm]	
C – Snub pulleys (change in belt moving direction ≤ 30°)		160 [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			

