



TECHNICAL SPECIFICATION

WIDTH OF THE BELT (mm.)	500
BELT TYPE	EP

BELT DESIGNATION **500/3**

TOP COVER THICKNESS (mm.)	4
BOTTOM COVER THICKNESS (mm.)	2

GENERAL :

BELT TOTAL THICKNESS (mm.)	9,5
ROLL LENGTH (meters)	100x1
BELT WEIGHT (kg/m)	6,17
FABRIC WEIGHT (kg/m/ply)	0,28

MINIMUM RECOMMENDED PULLEY DIAMETER

A DRIVE & HEAD	400
B TAIL & TAKE-UP	315
C SNUB & BEND	250

COVER RUBBER:

DESIGNATION	HR-150 (ISO 4195-T2)
RUBBER MIXTURE	SBR
SPORADIC PEAK TEMPERATURE (° C)	150
CONSTANT TEMPERATURE OF WORK (° C)	T2
DENSITY	1,20
TENSILE STRENGTH (DIN 53504) Kg/cm ² (min)	110
ELONGATION OF BREAK (DIN 53504)% (min)	350
HARDNESS (DIN 53505), SHORE-A	60± 5
ABRASION (DIN 53516) mm ³ (max)	200

According to TS ISO 4195

Cover characteristic	Variation for belt class
Hardness (IRHD)	
- variation of initial value	+20
- maximum value	85
Elongation at break (%)	
- variation in percentage of initial value	-50
- minimum value	200
Tensile Strength (N/mm²)	
- variation in percentage of initial value	-30
- minimum value	10

SEPERATION (ADHESION) STRENGTH

COVER TO FABRIC (DIN 22102) kg/cm.(min)	4,5
BETWEEN FABRICS (DIN 22102) kg/cm. (min)	5

FABRIC

POLYESTER (E) IN WARP DIRECTION	E
POLYAMIDE (P) IN WEFT DIRECTION	P
MAIN STRENGTH OF WARP kg/cm.(min)	160
MAIN STRENGTH OF WEFT kg/cm.(min)	75

TOLERANCE

BELT THICKNESS	± 1 mm
BELT WIDTH	± 5 mm
ROLL LENGTH	+ % 1
RUBBER EDGE WIDTH	± 2 mm

SPLICING

HOT SPLICING	
*SPLICING MATERIAL	cover itself
*VULCANIZING PRESSURE (kg/cm ²)	14
*VULCANIZING TEMPERATURE (°C)	145
*VULCANIZING DURATION (minutes)	25
*SPLICING STEP LENGTH (mm.)	250

COLD SPLICING	
*SPLICING MATERIAL	adhesive
*VULCANIZING DURATION (minutes)	25
*SPLICING STEP LENGTH (mm.)	250

ELONGATION

REFERENCE ELONGATION (DIN 22102) % MAX.	2
ELONGATION AT BREAK (WARP) %	17±5
ELONGATION AT BREAK (WEFT) % MIN.	25±5