

Technical Data Sheet DIN 22102Y Standard

Rubber conveyor belt size:EP450/3 GRADE Y-20MPA

Description	Unit	Specification offered
Dimensions		
Width of belt	Inch	24" - 30" - 36" - 42"
Number ply		3
Length of belt	M	
Belt weight	kg/m ²	12.3
Belt Edge		Mould edge
Total thickness	mm	9.35 ± 0.5 (3/8")
Top cover rubber thickness	mm	4.75 ± 0.5 (3/16")
Bottom cover rubber thickness	mm	1.6 ± 0.5 (1/16")
Carcass		EP
Fabric Wrap		Polyester
Fabric Weft		PA6.6 (Nylon)
Cover rubber Grade		"Y" (RMA1)
Specific gravity	g/cm ³	1.15 ± 0.5
Tensile strength	Mpa	Min. 20
Ultimate Elongation	%	Min. 400
Tensile strength after aging 70° C X 168h	N/mm	Min.
Ultimate elongation after aging 70° C X 168h	%	Min.
Abrasion Resistance	mm ³	Max. 150
Hardness	Shore A	65±5
Adhesion		
Top cover rubber with fabric	N/mm	Min. 4.5
Fabric and fabric	N/mm	Min. 5.5
Bottom cover rubber with fabric	N/mm	Min. 3.5
Whole belts tensile strength	N/mm	Min. 450
Allowable Working Strength	N/mm	45
Full belt Elongation	%	Min.
At 10% reference load	%	Max. 1.5
At breaking	%	Min. 10
Temperature Range	°C	- 40° to +60°
Minimum Drum Diameter		
Minimum pulley diameter (Head)	mm	400
Minimum pulley diameter (Tail)	mm	350

General Service Covers (DIN-Y)

This cover rubber grade is widely used for general conveyor belts with resistance to abrasion, ozone, cutting and gouging and heavy impact . Recommended for most above-ground abrasive material handling applications, such as coal, crushed ores and rock, slag, limestone, bauxite, sand, aggregates and other abrasive materials.