## Mercurio Aramid

## Conveyor Belt



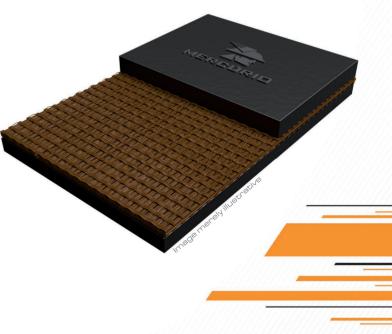
Once again, Mercurio Conveyor Belt innovates and presents the ultimate solution for the toughest applicantions and to reduce energy consumption, the **Mercurio Aramid Conveyor Belt.** 

Made up with a single aramid fabric, stronger and lighter than steel, the **Mercurio Aramid Conveyor Belt** has unique tensile and weight resistance properties and thus there is a higher variety of applications and achives broader range of conveyor belt replacement on the market, considering that it can also replace steel cord belts in some applications as it has low elongation.

With characteristics of high resistance and flexibility, the **Mercurio Aramid Conveyor Belt** is indicated for severe applications, demonstrating excellent efficiency against tear and rupture and high impact absorption.

Very economic, the **Mercurio Aramid Conveyor Belt** when compared to other types of belts, can be 30% lighter, which allows lower energy consumption when applied in long distance conveyors.

Industry	Application (with adequate covers*)	Benefits	
Mining	Indicated for transport of material at medium and long distance, which require high tensile strength. Severe applications, which have to absorb impacts.	Energy reduction. Better efficiency in critical operations.	
Steelmaking and Ports	Blast Furnace Belt - where use of conventional belts is not recommended due to the high temperature. Long distance belts, which require high tensile strength.	Belt service life increase. Energy reduction.	1
Paper and Cellulose	Log Belt - excellent resistance to tear and impact absorption.	Belt service life increase.	
Fertilizers	Reaction Belt - excellent resistance to chemical reaction.	Belt service life increase.	
Cement Plants, Calcinations and Quarries	Excellent in impact absorption and resistance to tear.	Belt service life increase.	



For adequate specification of the **Mercurio Aramid Conveyor Belt**, contact our highly specialized Application Engineering and Technical Assistance teams.



Strength, Flexibility and Lightweight

	Technical Data											
Туре	DPP 630	DPP 800	DPP 1000	DPP 1250	DPP 1600	DPP 1800	DPP 2000	DPP 2500	DPP 3150	777		
Carcass Weight	1.3 	1.3	1.6	1.6	1.9	2.2	2.8	2.9	3.1			
(kg/m²) Carcass Thickness (mm)	1.4 1.8-2.2	1.5 2.2-2.6	1.7 2.2-2.6	1.7 2.5-2.9	2.1 2.8-3.3	2.4 2.9-3.4	3.0 3.3-3.8	3.1 3.7-4.2	3.4 3.7-4.2			
Minimum Resistance to Rupture (N/mm)	630	800	1000	1250	1600	1800	2000	2500	3150			
Belt Width (mm)	900 18 <mark>00</mark>	900 1800	900 1 <b>800</b>	900 1800	900 18 <mark>00</mark>	900 1 <b>800</b>	900 1 <b>800</b>	900 1 <b>800</b>	900 1800			
Admissible Tension Factor 10 (N/mm)	63	80	100	125	160	180	200	250	315			
Admissible Tension Factor 7 (N/mm)	90	115	145	180	230	260	285	360	450			
Elongation of Admissible Tension Factor 7 or Factor 10 (%)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1			
Elastic Module Factor 10 (N/mm)	12600	16000	20000	25000	32000	36000	40000	50000	63000			
Elastic Module Factor 7 (N/mm)	11250	14375	18125	22500	28750	32500	35625	45000	56250			

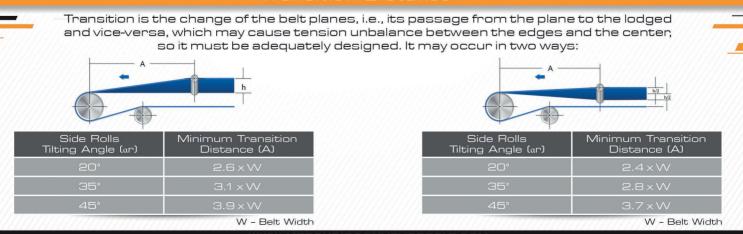
\*Available with Covers: AB, EA, EAS, EAS Plus, X-EAS, AT, ATS, ATS Plus and Reaction AB.

Mercurio Aramid Conveyor Belt splice is made by means of the hot vulcanization system with the Finger techniques (cut in the shape of "saw teeth" on the carcass) or Overlap.

Finger-Type Splice										
	Belt Type	DPP 630	DPP 800	DPP1000	DPP1250	DPP1600	DPP1800	DPP 2000	DPP2500	DPP3150
	> 80% - Min.	400	500	500	600	600	700	800	900	1000
Pulley Diameter	60% - 80% - Min.	350	400	400	500	500	600	650	750	850
(mm)	40% - 60% - Min.	300	350	350	400	400	500	500	600	700
	0% - 40% - Min.	250	300	300	350	350	400	450	500	600
Reference: Belt Tension										

Overlap-Type Splice										
E	Belt Type	DPP 630	DPP 800	DPP1000	DPP1250	DPP1600	DPP1800	DPP2000	DPP2500	DPP3150
	> 80% - Min.	600	800	800	900	900	1000	1000	1100	1150
Pulley Diameter	60% - 80% - Min.	500	650	650	750	750	850	850	950	1000
(mm)	40% - 60% - Min.	450	500	500	600	600	700	700	800	850
	0% - 40% - Min.	400	450	450	500	500	600	600	700	700
Reference: Belt Tension										

## Transition Distance



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