

COVER PROPERTIES

Megalinear belt can be coated with several materials. Those coatings are able to suit Megalinear belts to all applications. Main advantages for using coated belts are: reducing noise and modifying friction in conveying materials. Choice of correct coating depends on application field.

Megadyne is able to supply extruded coated belt, in this case coating method is same as belt production method and cohesion between belt and cover is guaranteed by welding without using glue.

Properties of extruded coating are followings:

	Cover type								
	NFB nylon fabric back	NFT nylon fabric teeth	AVAFC 60	AVAFC 70	AVAFC 85	Foamed polyurethane	APL	Fishbone	Ribbed
Raw material	nylon	nylon	polyurethane	polyurethane	polyurethane	foamed polyurethane	polyurethane/PVC	polyurethane	polyurethane
Hardness (ShA)	-	-	60	70	85	50	55	70	70
Colour	green	green	transparent	transparent	transparent	yellow/grey	red	transparent	transparent
Coating and belt cohesion method	by extrusion	by extrusion	by extrusion	by extrusion	by extrusion	by spray	by extrusion	by extrusion	by extrusion
Thickness range (mm)	-	-	2/3/4	2/3/4	2/3/4	0,5 till 8	3,5	4,3	2,7
Tolerance on coating thickness	-	-	+/- 0,3	+/- 0,3	+/- 0,3	+/- 0,3	+/- 0,3	+/- 0,5	+/- 0,5
Working temperature range (°C)	-20 +80	-20 +80	-20 +80	-20 +80	-20 +80	-20 +60	-20 +60	-20 +80	-20 +80
Friction coefficient (1)	0,25	0,25	0,65	0,65	0,6	0,4	0,7	0,6	0,6
Water resistance	good	good	very good	very good	very good	good	good	very good	very good
Abrasion resistance	intermediate	intermediate	very good	very good	very good	very good	good	very good	very good
Oil resistance	intermediate	intermediate	very good	very good	very good	very good	good	very good	very good
FDA approved	no	no	no	no	no	no	no	no	no
Min. pulley dia = thickness • ...	std pulley	std pulley	x 40	x 40	x 40	x 25	x 30	x 30	x 35

(1) Static average values for steel guides.



Megalinear belt can be supplied also with vulcanised or glued cover. Their technical properties are listed in following table:

	Cover type									
	Porol mousse	Linatex	Tenax 40	Tenax Standard	White Rubber for food industry	Neoprene	Gummy Correx ambrapablond	NBR	Hypalon	Honeycomb
Raw material	open cell neoprene rubber	natural rubber	natural rubber	natural rubber	synthetic rubber	synthetic rubber	natural rubber	nitrilic rubber	rubber	natural rubber
Hardness (ShA)	10	42	40	45	70	70	48	70	60	45
Colour	black	red	red	red	white	gray/black	light brown	white	white	red
Coating and belt cohesion method	by gluing	by gluing	by vulcanization	by vulcanization	by vulcanization	by vulcanization	by vulcanization	by vulcanization	by vulcanization	by gluing
Thickness range (mm)	2 till 15	0,8 till 15	0,8 till 15	0,8 till 15	0,8 till 15	0,8 till 15	0,8 till 15	0,8 till 15	0,8 till 15	4,5
Tolerance on coating thickness	+/- 0,3	+/- 0,3	+/- 0,3	+/- 0,3	+/- 0,3	+/- 0,3	+/- 0,3	+/- 0,3	+/- 0,3	+/- 0,5
Working temperature range (°C)	-10 +60	-20 +50	-20 +60	-20 +60	0 +120	-10 +100	-20 +60	0 +120	0 +160	-20 +60
Friction coefficient (1)	0,7	0,75	0,75	0,7	0,65	0,6	0,6	0,6	0,6	0,6
Water resistance	good	very good	very good	very good	good	very good	very good	good	good	very good
Abrasion resistance	intermediate	very good	very good	very good	intermediate	good	very good	intermediate	intermediate	very good
Oil resistance	intermediate	low	low	low	good	good	low	good	good	low
FDA approved	no	no	no	no	no	no	no	no	no	no
Min. pulley dia = thickness • ...	x 25	x 30	x 30	x 30	x 35	x 35	x 30	x 35	x 35	x 30

(1) Static average values for steel guides.

