Technical datasheet

aval infarm

## Flexam EM 5/1 0+05 white AS FG

## Article code: SBVL589620



Main product feature   Antistatic, Foodgrade     Indication of use   Flat, Rollers, Slider bed     Belt construction   polyester, stable     Tension layer   n   polyester, stable     Number of plies   1     Top side   material   Flexam, PVC     finish   smooth, glossy     color   white     Bottom side   material   fabric, polyester     finish   smooth, glossy     color   white     Bottom side   material   fabric, polyester     finish   bare fabric   polyester     food Grade (FG)   yes   FDA     Antistatic (AS)   yes   ISO 21178     High conductive (HC)   no   ISO 21178	General information		
Indication of useFlat, Rollers, Slider bedBelt constructionBelt constructionTension layerITension layerINumber of pliesITop sidematerialIInfishIColorwhiteBottom sideInfishIInfishIIBottom sideInfishIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIIInfishIInfishIInfishIInfishIInfish <th>Product group</th> <th>Synthetic Belts</th> <th></th>	Product group	Synthetic Belts	
Belt constructionTension layerITension layerINumber of pliesITop sidematerialIInishsmooth, glossyBottom sidematerialfabricon (Director)Bottom sidematerialfabricon (Director)CharteristicscolornaturalFood Grade (FG)yesFDAAntistatic (AS)yesFDAInigh conductive (HC)noIInigh conductive (HC)noIInigh conductive (FG)noIInigh conductive (HC)noIInigh co	Main product feature	Antistatic, Foodgrade	
Tension layerimplementationNumber of plies1Number of pliesmaterialTop sidematerialfinishsmooth, glossycolorwhiteBottom sidematerialfinishbare fabriccolornaturalcolorcolortartacteristicscolorsmooth, glossystarticalfinishbare fabriccolornaturalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarti	Indication of use	Flat, Rollers, Slider bed	
Tension layerimplementationNumber of plies1Number of pliesmaterialTop sidematerialfinishsmooth, glossycolorwhiteBottom sidematerialfinishbare fabriccolornaturalcolorcolortartacteristicscolorsmooth, glossystarticalfinishbare fabriccolornaturalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarticalstarti			
Number of pliesindex1Top sidematerialFlexam, PVCfinishsmoth, glossycolorwhiteBottom sidematerialfabric, polyesterfinishbare fabriccolornaturalcolorser fabriccolorser fabricser fabricser fabricfabricser fabricfab	Belt construction		
Top sidematerialFlexam, PVCfinishsmooth, glossycolorwhiteBottom sidematerialfabric, polyesterfinishbare fabriccolornaturalcolorcolorcolorcolormaterialfabric, polyestercolormaterialfabric, polyestercolormaterialfabric, polyestercolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabriccolormaterialfabric <t< th=""><th>Tension layer</th><th></th><th>polyester, stable</th></t<>	Tension layer		polyester, stable
finishmooth, glossycolorwhiteBottom sidematerialfinishbare, glossycolornaturalcolorbare, glossyCharacteristics	Number of plies		1
color     white       Bottom side     material     fabric, polyester       finish     bare fabric       color     natural       Chracteristics     Color       Food Grade (FG)     yes     FDA       Antistatic (AS)     yes     ISO 21178       High conductive (HC)     no     ISO 21178	Top side	material	Flexam, PVC
Bottom sidematerialfabric polyesterfinishbre fabric polyestercolornaturalsetsetsetsetsetsetsetsetsetsetHigh conductive (HC)nonosetFiame-retardant (FR)no		finish	smooth, glossy
finishbare fabriccolornaturalCharacteristicsFood Grade (FG)ysAntistatic (AS)ysJigh conductive (HC)noFond Grade (FR)no		color	white
Characteristics FDA   Food Grade (FG) yes FDA   Antistatic (AS) yes ISO 21178   High conductive (HC) no ISO 20178	Bottom side	material	fabric, polyester
Characteristics   Food Grade (FG) yes   Antistatic (AS) yes   High conductive (HC) no   Flame-retardant (FR) no		finish	bare fabric
Food Grade (FG)yesFDAAntistatic (AS)yesISO 21178High conductive (HC)noFDAFlame-retardant (FR)noFDA		color	natural
Food Grade (FG)yesFDAAntistatic (AS)yesISO 21178High conductive (HC)noFDAFlame-retardant (FR)noFlame-retardant (FR)			
Antistatic (AS)yesISO 21178High conductive (HC)noFlame-retardant (FR)no	Characteristics		
High conductive (HC) no   Flame-retardant (FR) no	Food Grade (FG)	yes	FDA
Flame-retardant (FR) no	Antistatic (AS)	yes	ISO 21178
	High conductive (HC)	no	
ATEX approval no	Flame-retardant (FR)	no	
	ATEX approval	no	

Technical data						
Hardness	ISO 868	top side	80A	Shore		
Force at 1% elongation (static)	ISO 21181		5	N/mm	28.55	lbs/in.
Thickness	AB method KV.002	total	1	mm	0.04	in.
		top cover	0.5	mm	0.02	in.
Weight	AB method KV.004		1.1	kg/m²	0.23	lbs/ft²
Operating temperature	continuous	from / to	-10 / 80	°C	14 / 176	°F
	short	from / to	-10 / 100	°C	14 / 212	°F
Minimum pulley diameter	flexing		20	mm	0.79	in.
	backflexing		10	mm	0.39	in.
Manufacturing width	standard		2000	mm	78.74	in.
	maximum		3000	mm	118.11	in.

## Fabrication

Hot splicing is always preferable. Glueing can only be done when the belt is exposed to normal temperature and the humidity is not excessive. For the working method, consult the splice information and the equipment literature. Apply the recommended splice as indicated in the seperate information.

## **Additional information**

This sheet contains typical values, which apply to a temperature of approx. 20 °C (68 °F), unless otherwise stated, individual data may differ.

We recommend to keep the belt tension to a practical working minimum to maximize the service life of the belt and machine parts.

Always protect belts from sunlight/UV-radiation, avoid temperatures below 10°C and above 40°C, dust and dirt. Store belts in a cool and dry place and if possible in their original packaging.

For details consult 'Storage and handling instructions' or contact our specialist.

Because of continuous development, the presented data is subject to alteration. This data replaces that included in previous publications. Ammeraal Beltech excludes any liability for the incorrect use of the above stated information. Subject to the general terms and conditions of sale and delivery, as applied by its operating companies, are all activities performed and services rendered by Ammeraal Beltech.