Technical datasheet

## Arcon EF 24/3 10+20 white M1 AS FR FG

Article code: SBAR576279



| Product group       Synthetic Bells         Industry segment       Food: Sugar: Chemicals: Flast: The Seleaners: Seleaner                                     | General information             |  |                                     |                           |          |         |  |
|---|---------------------------------|--|-------------------------------------|---------------------------|----------|---------|--|
| Main product feature       Antistatic, Flame retardant, Foodgrade         Indication of use       Slider bed, Rollers, Flat, Troughed         Belt construction         Tension layer       3         Number of plies       3         Top side       material       Arcon, PVC         Finish       smooth, MI Fine matt finish         Color       white         Bottom side       material       Arcon, PVC         Finish       matt, MI Fine matt finish         color       white         Color       white         Bottom side       material       Arcon, PVC         High conductive (HC)       no         High conductive (HC)       no         Yes       ISO 21178         Flame-retardant       yes         Yes       ISO 340         Technical data       Yes         Force at 1% elongation (static)       ISO 21181         Thickness       ISO 21181         Flastic modulus (k1% relaxed)       ISO 21181         Thickness       AB method KV.002       total         Kiender       7.6<         Kiender       7.6         Kiender       7.6         Kistatic (AS)       Top Side  | Product group                   | Synthetic Belts  |                                     |                           |          |         |  |
| Indication of use       Silder bed, Rollers, Flat, Troubee         Belt construction         Tension layer       polyester, flexible         Top side       a         Top side       material       Arcon, PVC         Finish       smooth, M1 Fine matt finish         color       white         Bottom side       material       Arcon, PVC         finish       art, M1 Fine matt finish         color       white         Bottom side       material       Material         finish       white       state finish         color       white       state finish         finish       material       white       state finish         color       white       state finish       state finish         finish       material       stop for prove       state finish         finish       material       stop for prove       stop for prove         finish       material       stop for prove       stop for prove         finish       stop for prove       stop for prove       stop for prove         finish       stop for prove       for prove       stop for prove         finish       stop for prove       for prove       stop for prove   | Industry segment                | Food: Sugar; Chemicals, rubber & plastics: Detergents & cleaners |                                     |                           |          |         |  |
| Beit construction         Tension layer       polyester, flexible         Number of piles       3         Top side       material       Accon, PVC         finish       smooth, M1 Fine matt finish       Image: Color         Bottom side       material       Arcon, PVC         finish       matt, M1 Fine matt finish       Image: Color         Bottom side       material       Arcon, PVC         finish       matt, M1 Fine matt finish       Image: Color         Kolor       white       Image: Color         Color       white       Image: Color       White         Color       white       Image: Color       White         Characteristics       Image: Color       White       Image: Color       Image: Color         Flame-retardant       yes       Cl 935/2004, EU 10/2011; FDA       Image: Color       Image: Color       Image: Color         High conductive (HC)       no       Image: Color       Imag  | Main product feature            | Antistatic, Flame retardant, Foodgrade                           |                                     |                           |          |         |  |
| Tension layer       polyester, flexible         Number of plies       3         Top side       material       Arcon, PVC         Inish       smooth, M1 Fine matt finish         Color       white         Bottom side       material       Arcon, PVC         Inish       material       Inish         Inish       material       Inish         Inish       material       Inish         Inish       Inish       Inish   | Indication of use               | Slider bed, Rollers, Fla   | Slider bed, Rollers, Flat, Troughed |                           |          |         |  |
| Tension layer       polyester, flexible         Number of plies       3         Top side       material       Arcon, PVC         Inish       smooth, M1 Fine matt finish         Color       white         Bottom side       material       Arcon, PVC         Inish       material       Arcon, PVC         Bottom side       material       Arcon, PVC         Inish       matt, M1 Fine matt finish       Image: State Stat  |                                 |  |                                     |                           |          |         |  |
| Number of plies         3           Top side         material         Arcon, PVC           finish         smooth, M1 Fine matt finish           color         white           Bottom side         material         Arcon, PVC           finish         material         Arcon, PVC           finish         matt, M1 Fine matt finish         Image: State  | Belt construction               |  |                                     |                           |          |         |  |
| material         Arcon, PVC           finish         smooth, M1 Fine matt finish           color         white           Bottom side         material         Arcon, PVC           finish         matt, M1 Fine matt finish           color         white           finish         matt, M1 Fine matt finish           color         white           color         white           color         white           Characteristics         ves           Food Grade (FG)         yes           Antistatic (AS)         yes           yes         ISO 21178           High conductive (HC)         no           no            ATEX approval         yes           yes         SO 340           Technical data         yes           Force at 1% elongation (static)         ISO 21181           ISO 21181         24 N/mm         137.04 Ibs           Force at 1% elongation (static)         ISO 21181           Iso ico cover         2.00 mm         0.24 In           Marchod KV.002         tot         6.00 mm         0.24 In           Marchod KV.004         Tot         7.6 kg/m²         1.56 Ibs  | Tension layer                   | polyester, flexible  |                                     |                           |          |         |  |
| finish       smooth, M1 Fine matt finish         color       white         Bottom side       material       Arcon, PVC         finish       matt, M1 Fine matt finish         color       white         toolor       white         color       white         toolor       toolor         to  | Number of plies                 |  | 3                                   |                           |          |         |  |
| color       white       second problemation of the problematic o          | Top side                        | material   | Arcon, PVC                          |                           |          |         |  |
| Bottom side       material       Arcon, PVC         finish       matt, 41 Fine matt,  |                                 | finish   | smooth, M1 Fine matt finish         |                           |          |         |  |
| finish       matt, M1 Fine matter, M1 Fin |                                 | color  | white                               | white                     |          |         |  |
| color       white         Characteristics       Ves       Cl 1935/2004, EU 1/2011; FDA         Food Grade (FG)       yes       CS 21178         Antistatic (AS)       ves       SS 21178         High conductive (HC)       no       Ves       SS 340         Flame-retardant       yes       SS 340       Ves       SS 340         ArtEX approval       yes       ATEX II - KEMA JEXEX164 U       Ves       SS 340         Flame-retardant       yes       ATEX II - KEMA JEXEX164 U       Ves       SS 340         Fachnical data       SS 58       ATEX II - KEMA JEXEX U       Mint       AIR 30,00       Mint       AIR 30,0  | Bottom side                     | material   | Arcon, PVC                          |                           |          |         |  |
| Characteristics       Yes       EC 1935/2004, EU 10/2011; FDA       Interfere       Interfere <thinterfere< th=""> <thinterfere< th="">       &lt;</thinterfere<></thinterfere<>  |                                 | finish   | matt, M1 Fine                       | matt, M1 Fine matt finish |          |         |  |
| Food Grade (FG)       yes       EC 1935/2004, EU 10/2011; FDA         Antistatic (AS)       yes       ISO 21178         High conductive (HC)       no       ISO 340         Flame-retardant       yes       ISO 340         ATEX approval       yes       ATEX II - KEMA ∪SATEX2164 U         Fachnical data       yes       ATEX II - KEMA ∪SATEX2164 U         Fachnical data       ISO 21181       ISO side       Shore       ISO 1000000000000000000000000000000000000  |                                 | color  | white                               |                           |          |         |  |
| Food Grade (FG)       yes       EC 1935/2004, EU 10/2011; FDA         Antistatic (AS)       yes       ISO 21178         High conductive (HC)       no       ISO 340         Flame-retardant       yes       ISO 340         ArtEX approval       yes       ATEX II - KEMA ∪SATEX2164 U         Fachnical data       yes       ATEX II - KEMA ∪SATEX2164 U         Fachnical data       ISO 21181       top side       85A       Shore       Mom         Force at 1% elongation (static)       ISO 21181       ISO 21181       ISO atol       Mmm       137.04       Iso         Thickness       AB method KV.002       total       Go ower       Q.00       mm       0.24       in.         Weight       AB method KV.004       Iso prover       Q.00       mm       0.08       in.         Weight       AB method KV.004       Iso prover       Q.00       mm       0.08       in.         Weight       AB method KV.004       Iso prover       Q.00       mm       0.08       in.         Mathibart       Iso prover       Q.00       Iso prover       Q.00       Iso prover       Q.00       Iso prover         For co tinuous       Iso prover       Q.00       Iso prover       Q.00   |                                 |  |                                     |                           |          |         |  |
| Antistatic (AS)yesISO 21178High conductive (HC)no   | Characteristics                 |  |                                     |                           |          |         |  |
| High conductive (HC)       no         Flame-retardant       yes       ISO 340         no       Text I S 200         ATEX approval       yes       ATEX II - KEMA JEX2164 U         Fechnical data       Text II - KEMA SSA       Shore       ISO 300         Force at 1% elongation (static)       ISO 21181       ISO 868       Shore       ISO 137.04         Flatce modulus (k1% relaxed)       ISO 21181       ISO 2000       ISO 2000       ISO 2000       ISO 2000         Meight       AB method KV.002       Iso cover       ISO 2000       ISO 2000       ISO 2000       ISO 2000         Weight       AB method KV.004       Iso cover       ISO 2000       ISO 2000       ISO 2000       ISO 2000       ISO 2000         Method KV.004       Iso cover       ISO 2000  | Food Grade (FG)                 | yes  | EC 1935/2004, EU 10/2011; FDA       |                           |          |         |  |
| Flame-retardantyesISO 340ATEX approvalyesATEX II - KEMA 05ATEX2164 UTechnical dataHardnessISO 868top side85AShoreoForce at 1% elongation (static)ISO 21181top side85AShoreoElastic modulus (k1% relaxed)ISO 21181tot or cover2.00mm0.24in.MeightAB method KV.002tot allo cover2.00mm0.08in.WeightAB method KV.004row / to-10 / 70°C14 / 158°FOperating temperaturecontinuousfrom / to-10 / 70°C14 / 158°F   | Antistatic (AS)                 | yes  | ISO 21178                           |                           |          |         |  |
| no $ATEX approval$ $ATEX II - KEMA \cup SATEX2164 \cup$ ATEX approvalyes $ATEX II - KEMA \cup SATEX2164 \cup$ Technical dataHardnessISO 868top side85AShore $ATEX II - KEMA \cup SATEX2164 \cup$ Force at 1% elongation (static)ISO 21181top side85AShore $ATEX II - KEMA \cup SATEX2164 \cup$ Elastic modulus (k1% relaxed)ISO 21181top side85AShore $ATEX II - KEMA \cup SATEX2164 \cup$ ThicknessAB method KV.002total $ATEX II - KEMA \cup SATEX2164 \cup$ $ATEX II - KEMA \cup SATEX2164 \cup$ $ATEX II - KEMA \cup SATEX2164 \cup$ WeightAB method KV.002top side $ATEX II - KEMA \cup SATEX2164 \cup$ WeightAB method KV.002top side $ATEX II - KEMA \cup SATEX2164 \cup$ $ATEX II - KEMA \cup$ $ATEX II - KEM$   | High conductive (HC)            | no   |                                     |                           |          |         |  |
| ATEX approval       yes       ATEX II - KEMA ∪ SUEVUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU  | Flame-retardant                 | yes  | ISO 340                             | ISO 340                   |          |         |  |
| Technical dataHardnessISO 868top side85AShoreISOForce at 1% elongation (static)ISO 21181ISO 2118124N/mm137.04IsoElastic modulus (k1% relaxed)ISO 21181ISO 2118113N/mm74.23IsoThicknessAB method KV.002total6.00mm0.24in.WeightAB method KV.004Iso 200mm0.08in.WeightAB method KV.004Iso1.101.56IsoOperating temperaturecontinuousfrom / to-10 / 70°C14 / 158°F  |                                 | no   |                                     |                           |          |         |  |
| HardnessISO 868top side85AShoreISO 2000Force at 1% elongation (static)ISO 21181ISO 2118124N/mm137.04Iso 21181Elastic modulus (k1% relaxed)ISO 21181ISO 21181ISO 2000113N/mm74.23Iso 2000ThicknessAB method KV.002total6.00mm0.024in.WeightAB method KV.004Iso 2000mm0.08in.WeightAB method KV.004Iso 2000114/158Iso 2000Operating temperaturecontinuousfrom / to-10/70°C14/158°F  | ATEX approval                   | yes  | ATEX II - KEMA 05ATEX2164 U         |                           |          |         |  |
| HardnessISO 868top side85AShoreForce at 1% elongation (static)ISO 21181top side85AN/mm137.04IsoElastic modulus (k1% relaxed)ISO 21181ISO 21181IsoIsoMmm74.23IsoThicknessAB method KV.002total6.00mm0.024in.WeightAB method KV.004isosore2.00mm0.08in.Operating temperaturecontinuousfrom / to-10 / 70°C14 / 158°F   |                                 |  |                                     |                           |          |         |  |
| Force at 1% elongation (static)ISO 21181ISO 21181All of the   | Technical data                  |  |                                     |                           |          |         |  |
| Elastic modulus (k1% relaxed)ISO 21181Iso 21181N/mm74.23Iso 21181ThicknessAB method KV.002total6.00mm0.24in.top cover2.00mm0.08in.WeightAB method KV.004from / to7.6kg/m²1.56kgOperating temperaturecontinuousfrom / to-10 / 70°C14 / 158°Fshortfrom / to-15 / 80°C5 / 176°F  | Hardness                        | ISO 868  | top side                            | 85A Shore                 |          |         |  |
| Thickness         AB method KV.002         total         6.00         mm         0.24         in.           top cover         2.00         mm         0.08         in.           Weight         AB method KV.004         7.6         kg/m²         1.56         bs           Operating temperature         continuous         from / to         -10 / 70         °C         14 / 158         °F           short         from / to         -15 / 80         °C         5 / 176         °F  | Force at 1% elongation (static) |  |                                     | 24 N/mm                   |          |         |  |
| Meight         AB method KV.004         Top cover         2.00         mm         0.08         in.           Operating temperature         continuous         from / to         -10 / 70         °C         14 / 158         °F           short         from / to         -15 / 80         °C         5 / 176         °F  | Elastic modulus (k1% relaxed)   | ISO 21181  |                                     | 13 N/mm                   | 74.23    | lbs/in. |  |
| Weight         AB method KV.004         Toperating temperature         Toperature         Toperating temperature         Toperating temperature         Toperature  | Thickness                       | AB method KV.002   | total                               | 6.00 mm                   | 0.24     | in.     |  |
| Operating temperature         continuous         from / to         -10 / 70         °C         14 / 158         °F           short         from / to         -15 / 80         °C         5 / 176         °F   |                                 |  | top cover                           | 2.00 mm                   | 0.08     | in.     |  |
| short from / to -15 / 80 °C 5 / 176 °F  | Weight                          | AB method KV.004   |                                     | 7.6 kg/m <sup>2</sup>     | 1.56     | lbs/ft² |  |
|   | Operating temperature           | continuous   | from / to                           | -10 / 70 °C               | 14 / 158 | °F      |  |
| Minimum pulley diameter flexing 200 mm 7.87 in.   |                                 | short  | from / to                           | -15 / 80 °C               | 5 / 176  | °F      |  |
|   | Minimum pulley diameter         | flexing  |                                     | 200 mm                    | 7.87     | in.     |  |
| backflexing 250 mm 9.84 in.   |                                 | backflexing  |                                     | 250 mm                    | 9.84     | 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.

2000 mm

78.74 in.

## **Additional information**

Manufacturing width

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.

standard

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