

INFORMATION FOR ALL BELTS

Minimum pulley diameters

The diameters are valid for a hot vulcanised splice and at the indicated belt force. Depending on the splice and working conditions (e.g. temperature), different pulley diameters may be possible or necessary. When fasteners are used the minimum diameters are increased by approx. 50%.

Characteristics

If stated FDA, BGA and EC directives (European Community) are valid for the top cover. The other characteristics apply for the belt as a whole, unless otherwise stated.

Resistance to oils and fats

All types with a top cover of Nonex PVC, Ropan PUR, Ropanyl TPU, Peflex PE, Amtel TPE-E, Nitrile NI or Silam Si and most types with a fabric topside and/or fabric bottomsides have a good resistance to animal, mineral and vegetable oils and fats. All types with a top cover of Flexam PVC or Rubber/PVC RP have a limited resistance.

Resistance to solvents, acids, salts, bases

The types with a top cover of Peflex PE have a very good resistance to chemicals. In general most other belt types have reasonably good resistance to solvents, except ketones (such as acetone), aromates (such as benzene, toluene), chlorated hydro carbon (such as trichlorethylene, perchlorethylene), esters (such as ethyl-acetate) and ethers. This also applies for acids, salts and bases, except when high concentrations are involved (such as concentrated sulphuric and nitric acid). Penetration of solvents and bases into the fabric layers must be avoided as this would influence the adhesion to covers in a negative sense.

Endlessing methodes

Hot splicing is always preferable. Cold splicing can only be done when the belt is exposed to normal temperatures and the humidity is not excessive. For the working method consult the splice information and the equipment literature. Stepped splice: ensure that the belt is running in the right direction to avoid damage by scrapers.

Specialities

The maximum width of profiled belts is determined by the size of the individual profiling drums. A number of profiles may need an extra coating, but this is not possible on all belts. Please contact us for further details. In general perforations are possible

Accessories

All belts can be fitted with accessories such as carriers, ropes, corrugated sidewalls, etc. Most of the white/blue food belts can be executed with a sealed belt edge 'Amseal' for hygiene. Please contact us for further details.

ARTICLE CODE **513640**

Flexam EF 5/1 0+05 BLACK M2 HC

Belt data

<i>Fabric layers</i>	1-ply polyester
<i>Topside</i>	Flexam PVC black M2 Matt profile 0.50 mm (0.02 inch) 70 A
<i>Bottomside</i>	fabric, low friction
<i>Thickness approx.</i>	1.00 mm (0.04 inch)
<i>Weight approx.</i>	1.20 kg/m ² (0.25 lb/ft ²)
<i>Standard width</i>	3000 mm (118.11 inch)
<i>Maximum width</i>	3000 mm (118.11 inch)

Belt characteristics

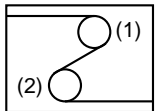
<i>Force at 1% elongation</i>	5.0 N/mm (28 lbs/ins)
<i>Laterally</i>	flexible
<i>Ambient temperature</i>	-15 to 80°C (5 to 176°F)
<i>Max. temperature short</i>	-15 to 100°C (5 to 212°F)
<i>(the allowable product temperature may vary)</i>	
<i>Antistatic (AS)</i>	ISO 284, DIN 22104, NF-T 47109
<i>High conductivity (HC)</i>	yes

Belt support

Flat and troughed; slider bed; in some cases rollers;

Minimum pulley diameters

<i>Normal flexing (1)</i>	10 mm (0.39 inch)
<i>Back flexing (2)</i>	20 mm (0.79 inch)



Application indication

general handling

General information

The information applies at approx. 20°C (68°F). Keep the belt tension to a minimum for maximum belt and conveyor life. Apply the recommended splice as indicated in the separate information. Consult our specialists for available profiles and accessories.