**Technical datasheet** 

## **GG E10.55 RRQ FG**

Article code: FBGG054662



| General information  |                                       |
|----------------------|---------------------------------------|
| Product group        | High performance flat belts           |
| Product sub type     | QuickSplice                           |
| Industry segment     | Container & packaging; Carton & boxes |
| Main product feature | High grip, Energy saving, Foodgrade   |
| Application          | Boxfolding                            |
| Indication of use    | High efficient rubber cover           |

| Belt construction    |          |                  |
|----------------------|----------|------------------|
| Tension member       |          | Polyester fabric |
| Top side             | material | XNBR elastomer   |
|                      | finish   | Rough            |
|                      | color    | grey             |
| Bottom / Pulley side | material | XNBR elastomer   |
|                      | finish   | Rough            |
|                      | color    | grey             |

| Characteristics      |     |                               |
|----------------------|-----|-------------------------------|
| Food Grade (FG)      | yes | EC 1935/2004, EU 10/2011; FDA |
| Antistatic (AS)      | yes | ISO 284                       |
| High conductive (HC) | no  |                               |
| ATEX approval        | no  |                               |

| Technical data                   |               |                      |           |       |          |         |
|----------------------------------|---------------|----------------------|-----------|-------|----------|---------|
| Belt thickness                   | ISO 2286-3    |                      | 5.5       | mm    | 0.22     | in.     |
|                                  | tolerance +/- |                      | 0.2       | mm    | 0.01     | in.     |
| Weight                           | ISO 290703-1  |                      | 6.1       | kg/m² | 1.25     | lbs/ft² |
| Force at 1% elongation           | ISO 21181     | dynamic              | 10        | N/mm  | 57.1     | lbs/in. |
|                                  | ISO 527       | static               | 12        | N/mm  | 68.52    | lbs/in. |
| Recommended elongation           |               | min. / max.          | 0.4 / 0.6 | %     |          |         |
| Coefficient of friction, dynamic | ISO 21182     | bottom side to steel | 0,6       | μ     |          |         |
|                                  |               | top side to steel    | 0,6       | μ     |          |         |
| Minimum pulley diameter          | flexing       |                      | 60        | mm    | 2.36     | in.     |
|                                  | back flexing  |                      | 60        | mm    | 2.36     | in.     |
| Operating temperature            | continuous    | from / to            | 0 / 60    | °C    | 32 / 140 | °F      |
| Belt width                       | standard      |                      | 570       | mm    | 22.44    | in.     |

| Fabrication               |                |
|---------------------------|----------------|
| Recommended splice method | QuickSplice110 |
| Alternative splice method | QuickSplice50  |

## **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.

Consult our specialists for further instructions regarding joining, storage & maintenance, tracking & tensioning.

Consult our specialists for calculations with our E-RappCalc© technical calculation program.

Our material, as well as the packaging, must be disposed of in a professional and environmentally friendly manner.

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