

## General Information

## 890-3 2 Ply Yellow NBR Rough C X C

|                           |  |
|---------------------------|--|
| MWR Part#                 | 890-3  |
| Description               | 2 Ply Yellow NBR Rough C X C   |
| Product Category          | Power Transmission Belts   |
| Additional Specifications | H010100344 S-250H  |
| Main industry segments    | Yarn processing  |
| Applications              | Ring spinning frames, Tangential belt, Twisters and texturing machines   |
| Special features          | Abrasion resistant, Constant coefficient of friction, Dimensionally stable, Forgiving in case of short term shock like overloads |



## Product Construction Design

|                           |  |
|---------------------------|--|
| Pulley side material      | Acrylonitrile-Butadiene-Rubber (NBR) friction cover (pulley/cylinder side) |
| Pulley side surface       | Rough structure  |
| Pulley side color         | Yellow   |
| Traction layer (material) | Polyamide (PA)   |
| Number of Fabrics         | 2  |
| Opposite side material    | Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)        |
| Opposite side surface     | Fine structure   |
| Opposite side color       | Green  |
| Drive determination       | Double-sided power transmission  |

## Product Characteristics

|                                   |     |
|-----------------------------------|-----|
| Antistatically equipped           | Yes |
| Adhesive free joining method      | No  |
| Food suitability, FDA conformance | No  |
| Food suitability, EU conformance  | No  |

## Technical Data

|  |                                       |
|--|---------------------------------------|
| Thickness of belt                                      | 2.3 mm (0.09 inch)                    |
| Mass of belt (belt weight)                             | 2.5 kg/m <sup>2</sup> (0.512 lb/sqft) |
| Tensile force for 1% elongation (k1% after running in) | 11 N/mm (63 lbf/in)                   |
| Nominal peripheral force per unit of width             | 29 N/mm (166 lbf/in)                  |
| Min. operating temperature admissible                  | -20 °C (-4 °F)                        |
| Max. operating temperature admissible                  | 100 °C (212 °F)                       |
| Seamless manufacturing width                           | 1100 mm (43.31 inch)                  |

## Joining Related Properties

|  |                    |
|--|--------------------|
| Joining method                               | Thermofix 75°      |
| Pulley diameter (minimum)                    | 100 mm (3.94 inch) |
| Pulley diameter minimum with counter flecion | 100 mm (3.94 inch) |

## Application Suitability

|                           |                  |
|---------------------------|------------------|
| Mode of use or conveyance | Tangential drive |
|---------------------------|------------------|



Application specialists are ready to help — call 763-559-2551. On-site installation team available.

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