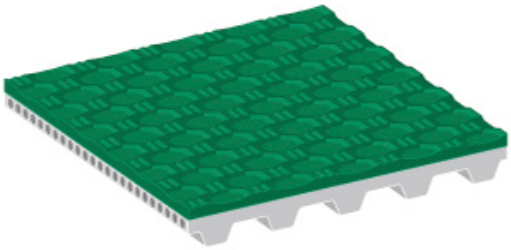
forbo MOVEMENT SYSTEMS

**siegling proposition**
timing belts

# Coating Data Sheet



| Designation | |
|---|---|
| Coating type description OLD | G/GSTR |
| Coating type description NEW | NBR/NSTR |

| Design | |
|---|---|
| Coating Material | Nitrile rubber (NBR) |
| Colour | Green |
| Surface pattern | Textile structure |

| Technical data | |
|---|---|
| Hardness [Shore(A)] | 60 |
| Density [kg/m³] | |
| Coating thickness min. [mm] | 3.2 |
| Coating thickness max. [mm] | 3.2 |
| d factor * | 25 |
| Minimum pulley diameter $D_{min}$ (approx.) [mm] | [d factor] x [selected coating thickness] |
| Minimum operating temperature [°C] | -20 |
| Maximum operating temperature [°C] | 100 |

| Coefficient of static friction | |
|---|---|
| against PE foil | 0.65 |
| against wood | 0.72 |
| against sheet glass | 0.80 |
| against cardboard | 0.68 |
| against aluminium | 0.87 |
| against steel sheet | 0.69 |

The physical data in this data sheet is approximate, can alter depending on production environments and was established at standard ambient conditions (23°C/73°F, 50% relative humidity) in accordance with DIN 50014/ISO 554. Fluctuations in climate can cause variations. Temperature range of polyurethane (PU) timing belt base material -5/+80 °C (permanent). See our brochure “Chemical resistance” which shows the resistances of Siegling Proposition (PU) timing belt base material.

# Coating Data Sheet

## Properties

| | |
|---|---|
| Electrostatic properties | non-conductive |
| Wear resistance | medium |
| Compressibility | No |
| Product release properties | medium |
| Cleanability | effortful |

## Chemical restistance

| | |
|---|---|
| General chemical resistance to | Generic fats and oils |

## Special Fabrication

| | |
|---|---|
| Sanding | No |
| Milling | No |
| Punching | Yes |

## Applications

Wood conveying, Paper / Cardboard conveying, Metal parts conveying, Conveying of abrasive goods

## General remarks

High abrasion and cut resistance. Fuel and oil resistant. Temperature range limited by PU timing belt material.

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