

## Coating Data Sheet



### Designation

|                              |          |
|------------------------------|----------|
| Coating type description OLD | Silicone |
| Coating type description NEW | Silicone |

### Design

|                  |             |
|------------------|-------------|
| Coating Material | Silicone    |
| Colour           | Transparent |
| Surface pattern  | Glossy      |

### Technical data

|   |   |
|---|---|
| Hardness [Shore(A)]                                     | 35  |
| Density [kg/m <sup>3</sup> ]                            |   |
| Coating thickness min. [mm]                             | 1.0                                       |
| Coating thickness max. [mm]                             | 10.0                                      |
| d factor *  | 50  |
| Minimum pulley diameter D <sub>min</sub> (approx.) [mm] | [d factor] x [selected coating thickness] |
| Minimum operating temperature [°C]                      | -60                                       |
| Maximum operating temperature [°C]                      | 220                                       |

### Coefficient of static friction

|                     |      |
|---------------------|------|
| against PE foil     | 1.09 |
| against wood        | 0.63 |
| against sheet glass | 0.84 |
| against cardboard   | 0.62 |
| against aluminium   | 0.88 |
| against steel sheet | 0.98 |

## Coating Data Sheet

### Properties

|                            |                |
|----------------------------|----------------|
| Electrostatic properties   | non-conductive |
| Wear resistance            | low            |
| Compressibility            | No             |
| Product release properties | high release   |
| Cleanability               | excellent      |

### Chemical resistance

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

### Special Fabrication

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

### Applications

Food packaging, Conveying of hot and sticky goods

### General remarks

Excellent release properties and cleanability. High friction. Temperature range limited by PU timing belt material.