



Product Information

Platilon® ID 5021

Film based on thermoplastic polyether polyurethane
 Colour: natural, translucent
 Special characteristic: for ID-Card applications

Typical Properties

| Property | | Standard / Procedure | Unit | Value | |
|------------------------------|----|--|-------------------|--------------------|------------------|
| Density | | calculated | g/cm ³ | 1,15 ¹⁾ | |
| Hardness | | DIN 7619-1, DIN EN ISO 868 or ASTM D2240 | Shore A | 87 ²⁾ | |
| Softening Range | | TMA Onset – Endset internal method | °C | 155 - 185 | |
| Tensile stress at break | MD | DIN EN ISO 527 | MPa | 65 ³⁾ | |
| | CD | | | 65 ³⁾ | |
| Tensile stress at 50% strain | MD | | | 5 - 7 | |
| | CD | | | 5 - 7 | |
| Tensile strain at break | MD | | % | 550 ³⁾ | |
| | CD | | | 550 ³⁾ | |
| Tear propagation resistance | MD | | DIN ISO 34-1, B | kN/m | 60 ³⁾ |
| | CD | | | | 60 ³⁾ |

These data are provided as general information only. They are approximate values and not intended for use in preparing specifications! Please contact us before writing specifications on this product.

- ¹⁾ Calculated based on information by raw material suppliers and the film's composition.
- ²⁾ Based on data for the TPU resins provided by their suppliers and based on suppliers standard/procedure, not measured for film sample.
- ³⁾ Blown films may be orientated to a different degree depending on film thickness. The above mentioned values have been measured and averaged over a long period. The average values from single productions can vary up to 30 % subject to thickness, width and orientation.

Typical Film Dimensions

| | |
|-----------------------|-------------|
| Thickness (µm) | 50 - 250 |
| Width (mm) | 1000 - 2050 |

Regarding thickness and width, certain interdependencies may apply. Please consult with your customer service representative. Blown film may show an orientation in either machine or cross direction. MD/CD values may vary depending on thickness and width. Our "General Conditions of Sale" also apply.

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1) Please see the "Guidance on Use of Covestro Products in a Medical Application" document. For more information on Covestro products in Medical Applications, please request from your sales support contact our Guidance document: GUIDANCE ON USE OF COVESTRO PRODUCTS IN A MEDICAL APPLICATION.

