

## PRODUCT CLASS

Lacquered thermoplastic polymer product.

## DESCRIPTION

The product is made of a thin unicolor film subsequently lacquered. The polymer is combined with additives (depending on the case: stabilizers, inert fillers, colored pigments and flame retardants) which improve the physical characteristics of the product (such as heat resistance, solidity and flexibility), the aesthetic appearance (such as color) and light resistance. It is a material with good mechanical properties and resistance to abrasion, aging, chemical agents and the attack of fungi and bacteria. It is water repellent and particularly resistant to fire, thanks to its high ignition temperatures and low flame propagation. The special lacquering gives a particular matt, soft-touch and anti-fingerprint effect.

## PROPERTIES

- Range of unicolors;
- Formaldehyde emissions free;
- Phthalate free;
- COV emissions in class A+ [French VOC Regulation];
- Heat repair of microscratches;
- Resistance to dry heat;
- Good heat/acoustic insulation;
- Total water impermeability;
- Extreme flexibility;
- Good resistance to acids;
- Antibacterial properties to dry heat;
- Easy to clean;
- **Production waste is delivered to suppliers to be recycled;**
- Sold with or without **primer** applied in the bottom side;
- Sold with or without a self-adhesive protective film.

## APPLICATIONS

It is typically used for the furniture and interior design industries, where a particular matt, soft-touch, and anti-fingerprint effect is required.

## AVAILABLE WIDTHS

- Rolls with a max diameter of 800 mm;
- Available widths:  $\leq 1.520$  mm

The availability of other widths is possible, but subject to technical check.

## TECHNICAL CHARACTERISTICS

The technical features are summarized in the table on the following page. They refer to the product supplied by Neodecortech.

## PACKAGING AND STORAGE

Please refer to the "Packaging and Storage chart" uploaded on our website for complete details.

## NOTES

The information contained in this document is based on our current knowledge and experience. However, it cannot be considered as exhaustive, but purely indicative. We suggest to test the product in advance at your plant. Neodecortech shall not be liable for any damages resulting from the use of the above-mentioned product. For further information, please refer to the safety data sheets for the individual Neodecortech products.

\* This version cancels and replaces the previous ones.

## TECHNICAL DATA

EOS Unicolor Coated PET(R) and PVC for 2D-3D applications

| TECHNICAL DATA  |                                          |                                                            |                                      |                                                                           |
|-----------------|------------------------------------------|------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------|
| CHARACTERISTICS |                                          | Test method                                                | Measure unit / Class / Level / Grade | EOS                                                                       |
| 1               | Thickness:                               | Acc. to:<br>DIN EN ISO 2286-3, 1998-07                     | µm                                   | 200<br>250<br>300<br>350                                                  |
| 1.1             | Tolerance:                               | Acc. to:<br>DIN EN ISO 2286-3, 1998-07                     | µm                                   | ± 10%                                                                     |
| 2               | Light fastness:                          | Acc. to:<br>EN ISO 4892-2                                  | level<br>(blue scale)                | ≥ 6                                                                       |
| 3               | Mechanical resistances:                  | Acc. to:<br>DIN EN ISO 527-3/2/200, 2003-07                | -                                    | longitudinal > 40 N/mm <sup>2</sup><br>transversal > 30 N/mm <sup>2</sup> |
| 4               | Gloss:                                   | Acc. to: DIN 67530<br>(60° measuring head, 1982-01)        | UG 60°                               | 3 ± 1.5                                                                   |
| 5               | Colour tolerance light colour<br>(L>50): | Acc. to:<br>DIN 53236 (45/0), 1983-01<br>DIN 6174, 2007-10 | -                                    | ΔE < 0,50<br>ΔL ± 0,40<br>Δa ± 0,30<br>Δb ± 0,40                          |
| 6               | Colour tolerance dark colours<br>(L≤50): | Acc. to:<br>DIN 53236 (45/0), 1983-01<br>DIN 6174, 2007-10 | -                                    | ΔE < 0,80<br>ΔL ± 0,60<br>Δa ± 0,40<br>Δb ± 0,60                          |
| 7               | Scratch resistance:                      | Acc. to:<br>UNI 15186:2012 MET.B                           | class                                | N ≥ 0,5<br>for 2D and 3D applications                                     |
| 8               | Chemical resistance:                     | Acc. to:<br>UNI EN 12720                                   | class                                | 1B                                                                        |
| 9               | Wear by rubbing test:                    | Acc. to<br>PTP 134:2016 Rev. 1                             | cycles                               | >50.000                                                                   |

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