PLANA

EOS PET(R)

UNICOLOR COATED PET
FOR 2D-3D APPLICATIONS

PRODUCT CLASS
Lacquered thermoplastic polymer product.

DESCRIPTION
The product is made of a thin unicolor or printed plastic 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;
- **Based on RECYCLED PET;**
- 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: ≤ 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
- For a proper storage of the product, it is necessary to keep it in its original sealed packaging at a controlled room temperature below 25 °C and humidity between 50% and 60%. Do not expose it to direct sunlight.
- After transport and storage at low temperatures, a period of acclimatization of the material of about 1 hour per cm of roll diameter is required.
- To avoid electrostatic discharge, the material must be processed in a space with a temperature between 20 and 23 °C and a humidity between 50% and 60%.

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.

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TECHNICAL DATA

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

TECHNICAL DATA				
CHARACTERISTICS		**Test method**	**Measure unit / Class/ Level/ Grade**	**EOS** PET(R)	
1	**Thickness**	Acc. to DIN EN ISO 2286-3, 1998-07	µm	250-400	
2	**Dimensional stability**	Acc. to Internal method	%	longitudinal max. - 5 % transversal max. + 2 %	
3	**Light fastness**	Acc. to EN ISO 4892-2	level (blue scale)	≥ 6	
4	**Mechanical resistances**	Acc. to DIN EN ISO 527-3/2/200, 2003-07	-	longitudinal > 40 N/mm² transversal > 30 N/mm²	
5	**Gloss**	Acc. to DIN 67530 (60° measuring head, 1982-01)	UG 60°	dark/intensive colours 2 ±1.5 light colours 3.5 ±1.5	
6	**Colour tolerance light colour (L>50)**	Acc. to DIN 53236 (45/0), 1983-01 DIN 6174, 2007-10	-	$\Delta E < 0,50$ $\Delta L \pm 0,40$ $\Delta a \pm 0,30$ $\Delta b \pm 0,40$	
7	**Colour tolerance dark colours (L≤50)**	Acc. to DIN 53236 (45/0), 1983-01 DIN 6174, 2007-10	-	$\Delta E < 0,80$ $\Delta L \pm 0,60$ $\Delta a \pm 0,40$ $\Delta b \pm 0,60$	
8	**Scratch resistance**	Acc. to UNI 15186:2012 MET.B	class	**C** [1,0 N < x < 1,5 N] for 2D applications	**D** [0,5 N < x < 1,0 N] for 3D applications
9	**Chemical resistance**	Acc. to UNI EN 12720	class	1B	
10	**Wear by rubbing test**	Acc. to PTP 134:2016 Rev. 1	cycles	>50.000	