

# Technical Data Sheet

## DK205 - Industrially compostable laminate

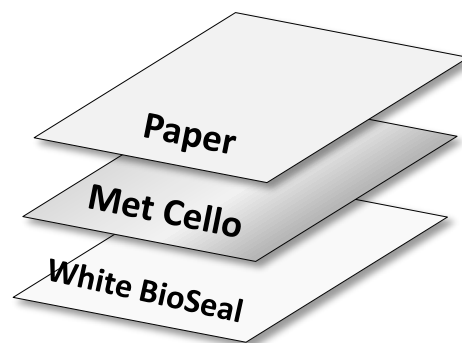
MGBK Paper//met Cello//White BioSeal Laminate - Printed



**DK205** is a printed, sustainable laminate film which meets the requirements for EN13432 for industrial compostability. The film is designed for use on vertical form fill and seal packing lines.

### Composition of Materials

Material	Thickness $\mu\text{m}$
Ink	1.5
25gsm MGBK	37.0
Adhesive	2.0
met Regenerated Cellulose	20.0
Adhesive	2.0
Bio Sealant Layer (White)	50.0
<b>Total <math>\mu\text{m}</math></b>	<b>112.5</b>
Total gsm	123.0



### Typical Values

Test	Standard	Unit	Value
Moisture Vapour Transmission Rate	Lyssy 38°C / 90%RH	$\text{g/m}^2$ 24hr	10.0
Oxygen Transmission Rate	Oxtran 23°C / 50%RH	$\text{cm}^3/\text{m}^2$ 24hr atm	1.0
COF (Bio Sealant/Bio Sealant)	BS 2782: 1996 Method 824A	Dyn	0.3

### Features

- Improved Sustainability - partly based on non-fossil fuel based resources.
- Certified as compostable in industrial composting environments - EN13432
- Reduces waste when processed through industrial compostability stream.
- Excellent barrier to moisture, gas and aromas.
- Excellent barrier to UV and visible light.
- Made from food approved grades.
- Broad sealing window to support conventional Pouch, VFFS and Flow Pack lines.
- Controlled slip characteristics for ease of conversion.
- Surface printable in up to 8 colours.
- Paper feel effect for organic/artisan applications.
- High integrity Lock seal A to A.



compostable  
7P2169

### Legislation

Roberts Mart's laminated films are manufactured from raw materials which meet the compositional requirements of Reg 10/2011, relating to plastic materials intended to come into contact with foodstuffs. They also meet the heavy metal limits imposed by 94/62/EC, the Packaging Waste (Essential Requirements) Directive. For further information, please contact your Roberts Mart representative.

Certified as compostable in industrial composting environments - EN13432

### Quality & Hygiene

Manufactured under a Quality Management System certified to ISO 9001:2008. Food grade material produced in accordance with the company's Hygiene Management System which satisfies the Global Standard For Packaging and Packaging Materials to Issue 5, 2015.

### Recommended Storage Conditions

Temp. 18-22°C, RH 50-60%. Avoid extremes of heat and cold, keep away from sources of moisture, direct sunlight and strong odours. The material must be stored in original wrapping for as long as possible, and remaining reels re-wrapped. The material must be acclimatised in production premises for 24 hours before use. Oldest material to be used first. It is recommended to use the material within six months, as exposure to light and air may change the properties of the material over time.

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