

## di-Plex 3

Unique triplex lamination - weld and peelable by **Discovery Flexibles**

di-Plex 3 has been specially developed for the beverage industry and hydroscopic powdered products, being ideally suited to demanding form fill seal applications.

The high integrity peelable seal is a result of sustained R&D and provides a consistent, easy opening for customers. The excellent barrier properties of the aluminium foil layer ensure long shelf life whilst reverse printing of the polyester provides an opportunity for high quality, eye catching graphics. di-Plex 3 is available in up to 9 colours gravure.

Features	di-Plex 3	di-Plex 3P
Excellent Moisture Barrier	•	•
Excellent Oxygen Barrier	•	•
Excellent Flavour Retention	•	•
Strong Seal	•	
Easy Opening		•
Excellent Packing Efficiency	•	•
Pattern Matt Lacquer Option (reduces number of colours to 8)	•	•

Typical Composition	di-Plex 3		di-Plex 3P	
Material	Thickness (Microns)	Unit Weight (gm <sup>-2</sup> )	Thickness (Microns)	Unit Weight (gm <sup>-2</sup> )
PET	12	16.8	12	16.8
Adhesive	-	3	-	3
Foil	7	19	7	19
Adhesive	-	2	-	2
Seal Layer	60	55.2	90	83.3
Total	79	96.0	109	124.1

Typical Properties	Units	di-Plex 3	di-Plex 3P
Lamination Strength (PET/Al)	g / 25mm	>400	>400
Lamination Strength (Al/PE)	g / 25mm	>200	>200
WVTR (38°C, 90% RH)	g / m <sup>2</sup> / 24hr	<0.2	<0.2
OTR (23°C, 0% RH)	cm <sup>3</sup> /m <sup>2</sup> /24hr/bar	<0.2	<0.2
Seal Strength	g / 25mm	>1000	>400

### Discover more...

To find out more about di-Plex 3, please call us on +44 (0)1382 448840 or drop us an email (sales@discoveryflexibles.com) with your contact details and one of our sales team will be in touch.

### About Us....

Discovery Flexibles has been producing Gravure printed flexible packaging for over 55 years.

We have a long history of industry firsts and remain focused on innovation through application of our experience, technical knowledge and supplier relationships.

Specialising in the printing and converting of films, paper, aluminium foil and laminate structures, we form part of the largest independent Gravure packaging group in the UK.

Call us now to find out how we can help reduce your costs and improve your on shelf appeal.

### What our Customers say..

*'It can be difficult finding a supplier that can provide consistent quality. When product delivery dates become critical you look for a company that can offer a responsive service. These are just some of the reasons why I've recommended Discovery Flexibles as a packaging supplier and will continue to do so.'* - **A leading Pharmaceutical Company**

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