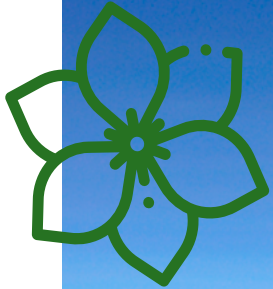


ViPrint™

LabelEC050 - LabelEC080
Label RGD



Neu!



Unser Beitrag zur
Kreislaufwirtschaft!

**Unser Umweltengagement ist jetzt!
Entdecken Sie unsere neue ViPrint LabelEC050 - LabelEC080 Reihe
Recycle und recycelbare Polypropylenbögen!**

Die ViPrint Label Reihe ist ab sofort mit **50%** und **80%** Recyclinganteil mit unseren **LabelEC050** und **LabelEC080** Sorten erhältlich.

Um unseren ökologischen Fußabdruck zu reduzieren, bieten wir Ihnen ViPrint LabelECO Formulierungen an, die 50 bis 80 % postindustriell recyceltes Material beinhalten.

- Null-Abfall-Politik
- Sammeln von PP-Abfall bei unseren Kunden
- Sortieren, Zerkleinern und Granulieren vor Ort
- Zirkuläre Ökonomie mit Hilfe unserer Kunden und Partner umgesetzt
- Sinkende CO₂ -Bilanz durch Wiederverwendung von Abfällen und durch lokale Recycling-Prozesse

ViPrint™

Axipack, a leading European producer of extruded polypropylene sheets and reels, offers its extensive range of ViPrint™ suitable for graphic arts and industrial applications.

ViPrint Label RGD G44 – G88
ViPrint Label RGD Primed G44 – G88
ViPrint LabelECO50 - LabelECO80

ViPrint Label RGD, Label RGD Primed and LabelECO, ranges developed specifically for the applications such as:

- Horticultural labels
- Labelling
- Cards

This extended range offers **2 surface embosses** and **3 treatment options**.

ViPrint LabelECO50 & LabelECO80 is a range offered in **recycled white**, composed of **recycled and virgin material**.

ViPrint LABEL RGD has the following characteristics:

- **Increased rigidity**
- **Small dimensional tolerances**
- **Low sheet weight**

The **Primed option** has an online processed primer to enhance and improve print ink key to the surface of the sheet:

- **Improved ink adhesion** performance in wet conditions
- **Integrated solution** with primary treatment
- Surface treatment **adapted to your demands** (Single or both sides primed)
- **Saves post priming costs**

This option only exists in **Label RGD** quality.



ViPrint™, is...

- ▶ ... an innovative range offering outstanding characteristics: exceptional finish, flexible, tough, durable, light, strong, resistant to water and many chemicals, rigid, pliable, recyclable ;
- ▶ ... an attractive material which can be folded, creased, cut, welded, riveted, perforated, glued, printed, sewn, embossed ;
- ▶ ... a huge choice of products for small or large production runs, innovative designs and multiple applications.

Colour Range

"Label RGD - Label RGD Primed" range



White
1107

"LabelECO50" & "LabelECO80" range



Recycled
White

LabelECO colour may vary within the same batch and from one batch to another

Dimensions (mm)

| Width | Length |
|-------------|--------------|
| 500 to 800* | 700 to 1,200 |

*With primer treatment, maximum width 750 mm

Surface Embossing

| | Top | Bottom |
|------------|--------------|-------------|
| | Glossy | Fine satin |
| G44 | | |
| | Smooth gloss | Smooth matt |
| G88 | | |

Thickness (µm) - Density

| Thickness | | Density |
|-------------|-------------|---------|
| Label RGD | LabelECO | |
| 350* to 800 | 400* to 800 | 0.96 |

*300 µm on demand.

Density comparison

| | PS | PVC | PET |
|----------------------|-------|--------|--------|
| Label RGD & LabelECO | < 9 % | < 32 % | < 27 % |

Indicative values based on same thickness.

Minimum order quantity (MOQ)

| | Standard size | | Thickness | |
|----------|---------------|----------|-----------|----------|
| | Label RGD | LabelECO | Label RGD | LabelECO |
| MOQ (kg) | 1,000 | 1,000 | 1,000 | 1,000 |

| | Embossing | | Primer coating |
|--------------------|-----------|----------|----------------|
| | Label RGD | LabelECO | Label RGD |
| MOQ (kg) | 1,000 | 1,000 | 1,000 |
| Campaign Min. (kg) | 4,000 | 4,000 | 4,000 |

Sheets per Pallet

| Thickness (µm) | Number of sheets per pallet |
|----------------|-----------------------------|
| 350 | 2,000 |
| 400 | 2,000 |
| 450 | 2,000 |
| 500 | 1,900 |
| 600 | 1,500 |
| 700 | 1,300 |
| 800 | 1,000 |

Treatment

| | G44 | G88 | LabelECO G44 - G88 |
|--|----------------|--------------------|--------------------|
| Without primer | √ | √ | √ |
| One side primed maximum width 750 mm | Top (glossy) | Top (smooth gloss) | No |
| Both sides primed maximum width 750 mm | Top and Bottom | Top and Bottom | No |

Services

> Post cut guillotine service available: For the following thicknesses ViPrint Label RGD from 350 µm and LabelECO from 400 µm (excluding the range ViPrint Label RGD Primed):

Direct line : +33 (0)3 21 61 66 65 - stock.service@axipack.fr

+33 (0)3 21 61 66 66 - ask for the customer service

Axipack SAS

Axipack SAS | Zone Industrielle | 50 rue des Reptins | CS 50025 | 62620 Ruitz | France
Tél. : +33 (0)3 21616666 | E-mail : info@axipack.fr | www.axipack.fr
S.A.S au capital 1 591 625 € | RCS Arras 397 704 339 | SIRET 397 704 339 00027 | APE 2221 Z | N° TVA FR31 397 704 339

1. General characteristics of the product – Environment

Label RGD

- Recyclable polypropylene sheet, with white colorant additive.
- Increased rigidity specially designed for plant labels
- Very good adhesion of inks with the application of a primer for offset UV and digital UV plus screen printing.
- Options non primed, primed one side or primed both sides.
- Very good opacity for double-sided printing for label applications.
- Low dimensional tolerances, suitable for single-sided printing techniques.
- Antistatic treatment.
- Corona treatment on both sides.

LabelECO

- Sheet made from post-industrial recycled material and virgin (polypropylene, polyethylene, antistatic and colourant).
- The ViPrint LabelECO50 and LabelECO80 ranges are 100% recyclable.
- LabelECO50 range: 50% recycled post-industrial and 50% virgin pellets.
- LabelECO80 range: 80% recycled post-industrial and 20% virgin pellets.
- 2-sided corona treated, suitable for offset UV and digital UV plus screen printing.

2. Surface aspects

| Embossing | G44 | G88 |
|-----------|------------|--------------|
| Top | Glossy | Smooth gloss |
| Bottom | Fine satin | Smooth matt |

3. Dimensional Characteristics

3.1. Available sheet sizes

Label RGD

| Thickness (µm) | 350 | 800 |
|----------------|-------------|-----|
| Width (mm) | 500 - 800 | |
| Length (mm) | 600 - 1,200 | |

Thickness 300 µm on request.

LabelECO

| Thickness (µm) | 400 | 800 |
|----------------|-------------|-----|
| Width (mm) | 500 - 800 | |
| Length (mm) | 600 - 1,200 | |

Thickness 300 µm on request.

3.2. Dimensional Tolerances

Label RGD

| | Unit | Mini | Max |
|-------------|--------|------|------|
| Thickness | µm | -20 | +20 |
| Width | mm | 0 | +1 |
| Length | mm | 0 | +1 |
| Angle 90° | degree | -0.2 | +0.2 |
| Angle in mm | mm | 0 | +1 |

LabelECO

| | Unit | Mini | Max |
|-------------|--------|------|-----|
| Thickness | µm | -20 | +20 |
| Width | mm | 0 | +1 |
| Length | mm | 0 | +1 |
| Angle 90° | degree | -0.3 | +3 |
| Angle in mm | mm | 0 | +3 |

Tolerances are given in relation to the nominal ordered sheet size.

The following tolerances are given under normal conditions of use (around 20 °C).

When subjected to temperature, ViPrint™ (like all thermoplastics) can see these tolerances become larger (expansion phenomenon).

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4. Mechanical properties

| Properties | Method | Unit | Value |
|----------------------------------|-----------|-------------------|----------------------|
| Specific Gravity | ISO 1183 | g/cm ³ | 0.96 |
| Opacity | LTA | % | 90 |
| Tensile strength(Youngs Modulus) | ISO 527-2 | Mpa | 1,700 |
| Tensile strength | ISO 527-2 | Mpa | 40 |
| Elasticity | ISO 527-2 | % | 6 |
| Impact strength Izod | ISO 180 | kJ/m ² | 5 |
| Surface tension both sides | - | dynes | 46 ⁽¹⁾ |
| Coefficient of thermal expansion | - | K ⁻¹ | 1.5 10 ⁻⁴ |

Value relates to material in 500 µm.

¹⁾ At the time of manufacture, value reduces with time.

Only applies to ViPrint Label RGD.

5. Adhesion and preparation characteristics

| | UV Litho | UV Digital | UV Screen |
|------------------------|-----------|------------|-----------|
| Compatibility | √ | √ | √ |
| Printability guarantee | 3 months* | 3 months* | 6 months* |

*From the date of production.

Only applies to ViPrint Label RGD.

6. Primed surface

6.1. Available sheet sizes

| Thickness (µm) | 350 | 800 |
|----------------|-------------|-----|
| Width (mm) | 500 - 750 | |
| Length (mm) | 700 - 1,200 | |

Thicknesses below 300 µm: on demand.

Only applies to ViPrint Label RGD.

6.2. Primer properties

- The primer offers a very good ink key of the inks and greatly improves the adhesion of the inks in a humid environment.
- The primer is compatible with Offset UV, digital UV and UV screen printing inks.
- It is highly recommended that the user check the compatibility of their inks and ensure the required level of surface tension.
- Choice of the primed surfaces, one side, both side or without primer.

| | UV Litho | UV Digital | UV Screen |
|------------------------|-----------|------------|-----------|
| Compatibility | √ | √ | √ |
| Printability guarantee | 3 months* | 3 months* | 6 months* |

*From the date of production.

Only applies to ViPrint Label RGD.

6.3. Compliance

The primer meets the following standards:

| EN 71/3 Toy Standard | 94/62 Directive | RoHS - DEEE Directive | SVHC REACH |
|----------------------|-----------------|-----------------------|------------|
| √ | √ | √ | √ |

Only applies to ViPrint Label RGD.

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7. Recommendations

Storage:

- Always stock the sheets at room temperature to avoid risk of condensation (e.g. sudden changes of temperature from hot to cold or vice versa) and to avoid physical distortion due to extreme hot or cold.
- Stock in original packaging away from direct light, dust and humidity at a temperature of around 20 °C in order to protect the surface treatment.
- Do not stack pallets.

Preparation:

- Before conversion, keep the sheets at ambient room temperature for 24 to 48 hours to allow full acclimatisation and to avoid risks of condensation or physical distortion due to extreme hot or cold temperatures.
- Keep the lot number label which you will find attached to each pallet. Please quote this No in the event of a question relating to the delivery.

Printing:

- Print according to the ink supplier recommendations and specifically regarding compatibility of inks to polypropylene and the required surface tension.
- Make a test beforehand.
- In order to protect the ink from scratching apply a varnish.

Cutting and Creasing:

- Manual or automatic diecutting with cutting rules/ semi cutting / creasing rules.
- Due to the rigidity of the sheet a high pressure is required for cutting and creasing the product.
- Use the correct tools suitable for cutting polypropylene to avoid breaking and splitting.

Guillotine Cutting:

- Thinner thicknesses can be cut on a traditional guillotine with a double bevel knife.

Thermoforming:

This product is not recommended for thermoforming.

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8. Compliance with standards

The raw materials used meet the criteria defined by the following directives and standards:

| Colour | EN 71/3 Toy Standard | 94/62 Directive | 2002/95/EC RoHS - DEEE Directive | SVHC REACH 1907/2006/EC | UE N°10/2011 Directive |
|------------|----------------------|-----------------|-------------------------------------|----------------------------|---------------------------|
| White 1107 | √ | √ | √ | √ | √ |

Only applies to ViPrint Label RGD.

EN 71/3 Toy standard:

Toy standard EN71 part 3 for toys.

94/62 Directive:

European Directive 94/62/EEC as amended by Directive 2004/12/EC, supplemented by the decision of the Committee 2005/20/EC limited to 100 ppm heavy metals in plastic packaging for Member states of the EU.

RoHS - DEEE Directive:

RoHS - DEEE Directives 2002/95/EC concerns, 2002/96/EC and 2003/11/EC transposed in French law by Decree 2005-829 of 20/07/05, as amended by Directives 2005/71/EC, 2005/618/EC and 2011/65/EU to the restriction of certain components in electrical appliances.

REACH:

- Free of substances listed in the Candidate List update at the date of creation of this product data sheet.
- Free of [substances subject to authorisation (Annex XIV amended by Regulation 17/02/2011 N143/2011 and N125/2012 Regulation of 14 February 2012).
- Free of restricted substances (Annex XVII amended by Commission Regulation N ° 552/2009, No. 494/2011, No. 109/2012 and No. 412/2012).

EU N°10/2011 Directive:

EU Regulation N° 10/2011 of 14 January 2011 as amended by EU Regulation N° 1183/2012 of 30/11/2012 and by the EU Regulation N° 1282/2011 of 28/11/2011 and N° 321/2011 Of 02/04/2011. This Regulation repeals Directive 2002/72/EC on plastic materials and articles intended to come into contact with foodstuffs.

Disclaimer: The information contained in this leaflet is based on our present technical knowledge and experience. In view of the large number of factors that may influence the processing and use of our products, the information does not relieve the processors and manufacturers of the need to carry out their own tests and experiments. Our information does not constitute a legally binding assurance of product availability, of particular properties or of a suitability for a particular use. Patent rights that may exist must be duly observed.

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