

WINLAY®

www.winlay.com

DRY MOULDED

| DRY MOULDING | | WHITE | BRIGHT WHITE | BLACK | BROWN | LIGHT BROWN | COLOUR |
|--------------|-------------------------------|---|--------------------------------------|--|-------------------------|------------------------------|--|
| | MOQ | 20k | 20k (standard) | 50k | 50k | 50k | 50k |
| | Composition | 70% pcw printing paper; 30% virgin pulp | 100% pcw bright white printing paper | 70-80% pcw; 20-30% virgin pulp; water based colour | 100% pcw from paper box | 100% pcw from printing paper | 70-80% pcw; 20-30% virgin pulp; water based colour |
| | Thickness (incl. tolerances) | 1.8mm ±0.3mm 1.5mm ±0.2mm (HP) | | | | | |
| | CAD thickness | 2.0mm (CAD design) → 1.8mm finished product 1.5mm (CAD design) → 1.4mm finished product (HP) | | | | | |
| | Price (relative) | 80-90% | 60-70% | 120-140% | 45-55% | 55-65% | 130-140% |
| | Output | 2'000 cycles per day | 2'400 cycles per day | 2'000 cycles per day | 2'400 cycles per day | 2'400 cycles per day | 2'000 cycles per day |
| | Energy consumption (relative) | ~20%-30% | | | | | |

| | ADVANTAGE | DISADVANTAGE |
|---------------------|--|--|
| WET MOULDING | High surface quality; small draft angle Odor free; food grade certification (indirect food contact) | Low heating efficiency; low productivity High moulding cost per set |
| DRY MOULDING | High heating efficiency; high productivity Low tooling and production cost; 160mm depth | Lower surface quality; big draft angles; odor possible Not food grade certifiable |

| | |
|---|--|
| DIMENSION OF PRODUCTION TOOL | 760 x 560 mm |
| MAX. DEPTH | 160mm |
| DRAFT ANGLES | 5° |
| DECORATION BY / DRUCKVEREDELUNG / IMPRESSION | Blind and foil stamping, silkscreen printing, pad printing, UV spot printing, digital UV printing |
| LEAD TIME / DURCHLAUFZEIT / TEMPS DE PASSAGE | Usually 6-9 month for total process 5-7 weeks prototyping process 3 weeks tooling process; X weeks for production (i.e. amount) 6-8 weeks transport |








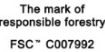



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| | |
|--|--|
| APPLICATIONS / ANWENDUNGEN / APPLICATIONS |  Premium Packaging |
| SURFACE | Uncoated Paper / Unbeschichtetes Papier / Papier non couché Customised shapes / Individuelle Formen / Formes personnalisées Customised embossings / Individuelle Prägungen / Gaufrage personnalisées |
| COMPOSITION | 70-100% recycled fibres (PCW), 0-30% virgin fibres, water based colour 70-100% recycelte Fasern (PCW), 0-30% Frischfasern, wasserbasierte Farbe 0-30% fibres recyclées (PCW), 0-30% fibres vierges, couleur à base d'eau |
| DECORATION BY / DRUCKVEREDELUNG / IMPRESSION | Blind and foil stamping, silkscreen printing, pad printing, UV spot printing, digital UV printing Blind- und Folienprägung, Siebdruck, Tampondruck, UV-Spotdruck, digitaler UV-Druck Marquage à chaud, sérigraphie, tampographie, impression UV par spot, impression numérique UV |
| TESTS | Tensile strength ISO 13934-1: 390 N Elongation ISO 13934-1: 4% Tearing resistance ISO 13937-2: 10 000mN Folding endurance ISO 5626: 1600 |
| MIN. ORDER QUANTITY | ~10'000pcs. (white) ~50'000pcs. (colours) |
| PRODUCTION OUTPUT / PRODUKTIONSOUTPUT / RENDEMENT DE PRODUCTION | 2'400 press cycles per day / production tool 2'400 Presszyklen pro Tag / Werkzeug 2'400 cycles de presse par jour / Moule de production |
| MAX. SIZE / MAX. GRÖSSE / TAILLE MAX. | 560 x 760mm |
| MAX. DEPTH OF INLAY / MAX. TIEFE / MAX. PROFONDEUR DE LA COUCHE | 160mm |
| MIN. DRAFT ANGLE / MIN. ENTFORMUNGS-SCHRÄGE / ANGLE MIN. DE DÉPOUILLE | 5° |
| NET WEIGHT / GEWICHT / POIDS |  ~ 520-680 g/m ² |
| THICKNESS / DICKE / EPAISSEUR |  ~ 1.5 – 1.8 mm ±0.3mm |
| TYPE OF PACKAGING / ART DER VERPACKUNG / TYPE D'EMBALLAGE | Boxes / Kartons / Cartons |
| SIZES OF PACKAGING / DIMENSIONEN / FORMAT DE L'EMBALLAGE | Variable / Variabel / Divers |
| CUSTOMS DECLARATION / WARENDEKLARATION / DESCRIPTION DOUANIERE | Moulded or pressed articles of paper pulp Aus Papierhalbstoff gegossene oder gepresste Waren Articles moulés ou pressés en pâte à papier |
| PRODUCTION CERTIFICATIONS | FSC; RoHS; REACH ISO 9001:2015 ISO 14001:2015 OHSAS18001:2007 |
| TARIFF NUMBER / TARIFNUMMER / NO. TARIFAIRE | 4823.7000 (Switzerland) 4823700000 (European Community) |
| ENVIRONMENTAL DATA / UMWELTDATEN / DONNEES ENVIRONNEMENTALES |       |

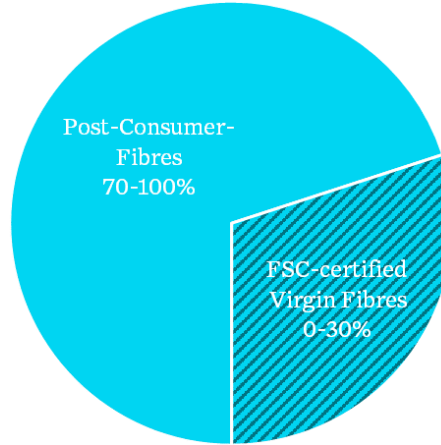


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ENVIRONMENTAL DATASHEET

PRODUCT COMPOSITION



FSC™

WINLAY® DRY MOULDED is FSC™ certified. The mission of the Forest Stewardship Council is to promote and enhance well-managed forests through credible certification that is environmentally responsible, socially acceptable, and economically viable.



The mark of responsible forestry

RECYCLABLE

WINLAY® DRY MOULDED is fully recyclable. This means 100% of this product can be recycled by all standard recycling processes.



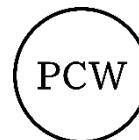
100% PLASTIC-FREE & BIODEGRADABLE

WINLAY® DRY MOULDED is 100% plastic-free and biodegradable.



POST-CONSUMER WASTE

WINLAY® DRY MOULDED contains 70-100% post-consumer waste depending on the composition requested. Once paper/board has served its intended end use, it becomes post-consumer waste or PCW. The greater the percentage of post-consumer waste in the inlay, the less resource intensive it is to produce, as it is closer to true "closed-loop" recycling. Materials made with PCW save resources like trees, water, energy, and greenhouse gas emissions.



REACH

WINLAY® DRY MOULDED does not contain any of the substances currently listed as SVHC's (Substances of Very High Concern) under REACH.

Registration, Evaluation, Authorisation and Restriction of Chemicals is a European Union regulation dating from 18 December 2006. REACH addresses the production and use of chemical substances, and their potential impacts on both human health and the environment.

**VEGAN**

Based on suppliers information provided, WINLAY® DRY MOULDED is vegan. This material does not contain any animal products or animal-derivatives.

**UN GLOBAL COMPACT**

WINTER & COMPANY confirms that the supply chain of WINLAY® DRY MOULDED is committed to the business practices of UN Global Compact.

The UN Global Compact is the world's largest corporate sustainability (a.k.a. corporate social responsibility) initiative with 13000 corporate participants and other stakeholders over 170 countries with two objectives: "Mainstream the ten principles in business activities around the world" and "Catalyse actions in support of broader UN goals, such as the Millenium Development Goals (MDGs) and Sustainable Development Goals (SDG's).



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