Amendment of the Technical Guidelines – Circular raw materials from mechanical recycling

Jokey Group

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a) Application Supplement to the Technical Guidelines

This document is a supplement to the Jokey Group Technical Guidelines. The document details deviations and supplementary technical properties of Jokey Group products manufactured from circular raw materials from mechanical recycling. These guidelines are in addition to the Jokey Group Technical Guidelines, which relate to products made from Virgin Raw Material.

b) Warnings:

! The use of circular raw materials from mechanical recycling is not suitable for packaging with direct food and fodder contact, due to the chemical composition!

! Packaging made from circular raw materials may cause odour formation!

! Packaging made from recycled raw materials may have colour variations!

! Product specifications may deviate from the specifications of products made from conventional material!

1. Circular raw materials from mechanical recycling / Mechanically recycled rPP material

The circular raw materials from mechanical recycling used by the Jokey Group are generally made of recycled polypropylene (rPP) and may contain small amounts of polyethylene. If applicable, further additives are used in the production process. The material is recyclable. It is possible that the recyclability is limited - with dark product colouring especially.

1.1 Recyclate content in the products

Recycled content is the percentage by mass of recycled material in our products. The recycled content is indicated proportionally on the article specifications.

Certain versions contain Jokey's own regrind (REG = Regrind), which is used in the blends. The regrind is recovered from process-related rejects. The proportion of regrind from our own production, which is specified in the product specification, depends on the availability of the material. If it is not available, it is replaced by material of at least equal value.
2. Deviating implementation and application recommendation compared to products made from conventional raw materials.

The specifications for products made from conventional raw materials are not valid for products made from recycled materials. Separate specifications apply to products manufactured from circular raw materials (these will be made available before the start of delivery). The stacking and loading recommendations, as well as suitability for colour mixing systems, may deviate from Virgin Products, and must be complied with.

The mechanically recycled rPP material used is not approved for food and fodder use. The use of the packaging for direct food and fodder contact is not intended, and is prohibited. This also applies to hygiene and medical products.

Packaging made of circular raw materials may cause odour formation. Warmer ambient temperatures and poorly ventilated rooms contribute to this effect. The odour is volatile and disappears after some time. Eye irritation is occasionally perceived.

2.1 Implementation of the bracket

2.1.1 Use of plastic handles

Containers with a 2K (two component separately injected) plastic handle have handles manufactured with a conventional Virgin PP, even when the container body is made from recyclate.

The standard (non-2K) version with standard drop or moulded plastic handles are manufactured in the one-component version from the same rPP material as the product body.

2.1.2. Use of metal handles

Metal handles are available on rPP containers without restriction. The optionally available roller grip is made of conventional high-density polyethylene (PE-HD).

2.2 Implementation of colour shades

The basic material is available in grey shades in several mixtures (Jokey REC numbers). Special designs based on base materials in white shades are available on request. The colour shades may vary depending on the supplier and batch. Special shades are possible to a limited extent on request. The acceptable quality limit is agreed individually between the customer and Jokey. In principle, the customer must accept a higher colour variance than for products made of conventional PP.

2.3 Handling and storage recommendations

After delivery, the pallets of products made with rPP material should, if possible, be stored in well-ventilated places. Should odours be perceived, ensure adequate ventilation.