



Brussels, 20th September 2013

The Technical Committee of the European PET Bottle Platform (EPBP) was requested to evaluate the effect of AVERY DENNISON CleanFlake™ clear polypropylene label material with an over-lamination layer on the quality of recycled PET.

This label comprises a clear 40µ polypropylene label material with a printable surface used in conjunction with a clear permanent acrylic adhesive (SR3010). This is protected by a clear 30µ polypropylene over-lamination using a clear permanent solvent-based adhesive (SR3011).

The AVERY DENNISON CleanFlake™ over-laminated label and adhesives are designed to be fully removable from the PET flakes during the PET recycle process. This EPBP opinion is valid only where non bleeding inks are used¹ in conjunction with the AVERY DENNISON CleanFlake™ over-laminated label.

Data supplied from tests carried out conforming to the EPBP testing protocol² demonstrated minimal impact on the colour and properties of the resulting rPET.

Based on the assessment's outcome EPBP has awarded approval to the AVERY DENNISON CleanFlake™ over-laminated label under the following conditions:

- A market penetration of 10%
- The inks must:
 - be non-bleeding
 - have high chemical resistance
 - have low migration
- During printing care must be taken to ensure that the final (print + label + adhesive) layer has a density of <1.

¹ http://www.plasticsrecycling.org/images/pdf/PET-Resins/Tests-for-PET-Innovators/apr_pet_bleeding_label_test.pdf

² February 2010



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The Technical Committee of the European PET Bottle Platform (EPBP) was requested to evaluate the effect of AVERY DENNISON CleanFlake™ clear polypropylene label material on the quality of recycled PET.

This label comprises a clear 40µ polypropylene label material with a printable surface used in conjunction with a clear permanent acrylic adhesive (SR3010).

The AVERY DENNISON CleanFlake™ label and adhesive is designed to be fully removable from the PET flakes during the PET recycle process. This EPBP opinion is valid only where non bleeding inks are used¹ in conjunction with the AVERY DENNISON CleanFlake™ label.

Data supplied from tests carried out conforming to the EPBP testing protocol² demonstrated minimal impact on the colour and properties of the resulting rPET.

Based on the assessment's outcome EPBP has awarded approval to the AVERY DENNISON CleanFlake™ label under the following conditions:

- A market penetration of 5%
- The inks must:
 - be non-bleeding
 - have high chemical resistance
 - have low migration
- During printing care must be taken to ensure that the final (print + label + adhesive) layer has a density of <1 g/cm².

¹ http://www.plasticsrecycling.org/images/pdf/PET-Resins/Tests-for-PET-Innovators/apr_pet_bleeding_label_test.pdf

² February 2010