



Plastic Paper

WRITABLE, PRINTABLE AND PAINTABLE POLYOLEFIN PLASTIC FILMS

KEY WORDS

PRINTABLE
POLYOLEFIN FILMS

PAPER-LIKE PLASTIC
FILMS,

SURFACE-MODIFIED
POLYMER FILMS

DESCRIPTION

The development confer to plastic films similar properties to the cellulose paper. The low-cost process, that makes the films outstanding materials, attaches mineral /organic particles on the film surface without adhesives. They can be written with pencils, painted with tempera and inkjet printed.

POTENTIAL BENEFITS OR IMPACTS

Reusable and recyclable
Easy to erase and rewrite with pencil
Paintable with water-based paints
Combine paper properties with the plastic films ones
Simple, sustainable and easy obtention process

TECHNOLOGY MATURITY LEVEL (TRL)

TRL 4: laboratory validation.

AREA OF APPLICATION

Cellulose paper substitution by reusable film
Graphic industry
Printing office|
Flexible Packaging
Stationery

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