

DES1750

DESTRUCTABLE VINYL

Description

This is a top-coated thermal transfer printable destructible white vinyl film coated with a permanent pressure sensitive rubber base adhesive and backed with a white glassine release liner.

Physical data

Facestock

A 'frangible' semi-gloss white cast PVC film.

<i>Basis Weight</i>	70 g/m ²	ISO 536
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<i>Caliper</i>	60 µm	ISO 534
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Adhesive

A special purpose permanent, solvent acrylic adhesive.

Liner

BG50 white, a supercalendered glassine paper.

<i>Basis Weight</i>	80 g/m ²	ISO 536
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<i>Caliper</i>	68 µm	ISO 534
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Laminate

BG50 white, a supercalendered glassine paper.

<i>Total Caliper</i>	105 µm±10%	ISO 534
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Performance Data

<i>Initial Tack</i>	15 N/25mm	FTM 9 Glass
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<i>Peel Adhesion 90°</i>	9 N/25mm	FTM 2 St.St.
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<i>Min. Application Temp.</i>	10 °C	
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<i>Service Temperature</i>	-50 °C to 110°C	
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Applications and Use

The adhesive features good initial tack and ultimate adhesion on a wide range of substrates. A high durability to solvents, U.V. and ageing.

Application

The product is designed with extreme tamper evidence as a priority. The heavily filled face is highly frangible, of low caliper – giving little ‘edge’ to pick at - and conformable/semi squeezable to avoid accidental breakage after application. At the same time the face has been specially formulated with just enough tensile/tear strength to allow simple label shapes to be die cut and matrix stripped for subsequent automatic application where required. Typical applications include identification labels for instrument panels, warning signs and nameplates on electrical appliances as well as tamper evident security seals.

Conversion and Printing

The product can be printed via all conventional roll label technologies, including water based flexo, UV letterpress, thermal transfer and screen. It is essential that labels are cut cleanly to avoid tear propagation hence dies must be sharp and in good condition. Film grade flat bed, solid and magnetic rotary dies can all be used while all rotary tools should be proofed to the liner. It is recommended that corners are designed with as large a radius as is practical to facilitate matrix stripping. Rolls must be handled with care during slitting, transport and storage to avoid edge damage.

Shelf Life

To obtain optimal performance, use this product within two years of the date of manufacture, under storage conditions as defined by FINAT (20-25°C; 40-50%RH). Prolonged storage outside these conditions might reduce the shelf life.

Disclaimer

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