

LoopPet Clear ASLAN DRP 18



Transparent polyester digital printing film made with 70 % post-consumer recycled polyester

This self-adhesive digital printing film is manufactured with 70 % content of post-consumer recycled polyester (PET) made of shredded and cleaned plastics. Its glossy surface ensures high-quality printing with latex and UV curable inks while not only being PVC free but also being equipped with a solvent-free adhesive.

The film is ideally suitable for applications on flat surfaces, both indoors and outdoors. Furthermore, LoopPet Clear ASLAN DRP 18 matches perfectly with the recycled PET laminate LoopLam ASLAN SRL 19 – a PVC free, environmentally-friendlier and forward-thinking combination of recycled plastics for more sustainable digital printing.

For further information or questions regarding special applications please contact our technical advisory service:
+49 2204 70880

Construction

Face film:	Polyester (70 % content of post-consumer recycled polyester)	
Thickness:	~ 50 µm (~ 1.9 mil)	
Adhesive:	Polyacrylic pressure sensitive adhesive	Square quantity: ~ 25 g/m ²
Release liner:	Siliconised PET release liner	Thickness: ~ 75 µm

Characteristics

Adhesive strength (ASTM D903):	Immediately: After 72 hours:	~ 3 N/25 mm ~ 14 N/25 mm
Dimensional stability:	Applied onto aluminium after 48 hours stored at 70° C (158 °F) (25 x 25 cm)	No shrinkage measurable
Chemical resistance:	In a preece test of 24 hours, the applied film is resistant to most petroleum-based oils, greases and aliphatic solvents, mild acids and mild alkalis.	
Light proofness:	DIN 53 388	Non-fade grade: 7-8 (wool-scale)
Combustibility:	Classified to Euroclass flame retardant standard DIN EN 13501-1: B-s1, d0	
Temperature:	Application temperature: Service temperature range:	min. 10 °C (50 °F) -30 °C (-22 °F) up to +80 °C (176 °F)
Durability:	Up to 3 years outdoors, with vertical exposure, in central-European standard climatic conditions	

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Processing

Digital cutting:	The self-adhesive film is ideally suited for cut letters. The vertical height of capital letters should not be smaller than 20 mm (0.8").
Printability:	The material is printable with common latex and UV curable as well as screen printing inks.
Application:	<p>The film is to be applied dry or wet.</p> <p>When installing the film with a flatbed applicator, the film is to be applied dry. In case of a manual installation, we recommend applying the film wet. However, a wet application is only possible to a limited extent, in consideration and compliance of our separate processing instructions for wet applications.</p> <p>During the handling of isolating materials electrostatics could not be avoided. Therefore an adequate earthing and a dust free environment are important. Increasing air humidity also helps to reduce the electrostatic charge.</p> <p>LoopPet Clear ASLAN DRP 18 is exclusively suited for smooth, even, non-elastic and non-curved surfaces. The film must not be applied on outgassing surfaces like nontempered acrylic glass, since bubbles might occur, particularly under short-term exposure to heat.</p>
Storage life:	Before application the films can be stored up to 2 years from date of production. The film must be stored at room temperature (15-25 °C / 59-77 °F) and at a relative air humidity of 50-60%. To avoid pressure points appearing on the roll surface, we recommend the rolls be stored either standing vertically or in a purposely designed 'hanging' racks.

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All technical data and advice is based on our experience and measured testing that we believe to be reliable. It remains the customer's responsibility to test the suitability of our products for the intended purpose.

The quality of our products is regularly examined, upgraded and developed. We take the right, without prior notice, to adjust, upgrade and improve the chemical structures or physical characteristics of our products in accordance with our latest knowledge.