

MonsterMount ASLAN MM 05

Transfer adhesive film for creating monster-strong adhesive bonds

The transfer adhesive MonsterMount ASLAN MM 05 has been specially developed to create reliable adhesive bonds between a wide range of materials. The double-sided covered transfer adhesive film with the same monster strong adhesive on both sides ensures a powerful bond between joining partners such as films or sheets on a wide variety of substrates, even with low surface energy. Its solvent vapor and lubricating oil resistant properties make the robust transfer adhesive particularly suitable for applications where high stress is expected, such as on petrol pumps, agricultural machinery, powder-coated and plywood surfaces.

The transparent and UV-resistant adhesive system of the MonsterMount ASLAN MM 05 can be processed already at -10° C and without adhesive bleeding manually or with a laminator and provides materials with an extremely resilient adhesive that can withstand extreme stress. This means that a wide variety of materials can be transformed into a monster-like adhesive product.

For further information or questions regarding special applications please contact our technical advisory service: **+49 2204.708-80**

Construction

Material:	Transfer adhesive	
Adhesive:	pressure sensitive polyacrylate	square quantity: ~ 50 g/m²
Release liner:	Side A: silicone cardboard Side B: siliconised LDPE film	square weight: ~ 140 g/m² square weight: ~ 50 g/m²

Characteristics

Adhesive strength (ASTM D903):	immediately: after 1 week:	~ 18 N/25mm (steel) ~ 34 N/25mm (Steel)
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, alkalis and salts.	
Light proofness:	DIN 53 388	non-fade grade: 7-8 (wool-scale)
Temperature:	application temperature: service temperature range:	min 15° C (59° F) -30° C (-22° F) up to +80° C (176° F)

For applications below 0° C (32° F), the specified final adhesive strength may not be fully achieved. It is essential to ensure that the substrate is dry and that there is no condensed moisture on the surface to be bonded.

Durability:	Up to 7 years outdoors, with vertical exposure, in central European standard climatic conditions.
-------------	---

MonsterMount ASLAN MM 05

Processing

Digital cutting:

Low or almost no cold flow.

Application:

The transfer adhesive should be applied dry. If applied wet, depending on the composite material, the water must be carefully squeegeed out to avoid bubbles.

Processing instructions:

Manual: Clean the substrate, apply the transfer adhesive by peeling off the liner from one side, firmly press down with a squeegee, remove the liner from the other side, apply the composite material, and again press it down firmly with a squeegee.

Laminator Processing: The transfer adhesive can be laminated onto other (self-adhesive) materials using a laminator (with double feeding or two winding stations).

In both cases (manual and laminator processing), wait for the final adhesive strength to develop before applying any load to the material. This is achieved after 72 hours at 20° C (68° F).

Storage:

Before application the transfer adhesive 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.

State 8|2024

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.