

Setex DA

Setex Dry Adhesive (DA) is a microfiber adhesive inspired by the microscopic hairs, or *setae*, of a gecko's foot with excellent adhesive characteristics to most smooth surfaces. The microfibers can be tailored to meet the needs of specific applications.

Features

- Dry / glue-free / non-tacky
- Residue-free removal
- Reusable
- Customizable adhesive strength
- Available in sheets or die cut pieces
- Application temperature range of -20°C to 100°C

Product Profile



A: Release liner

B: Setex DA microfibers

C: Customer defined carrier

Carrier options include:

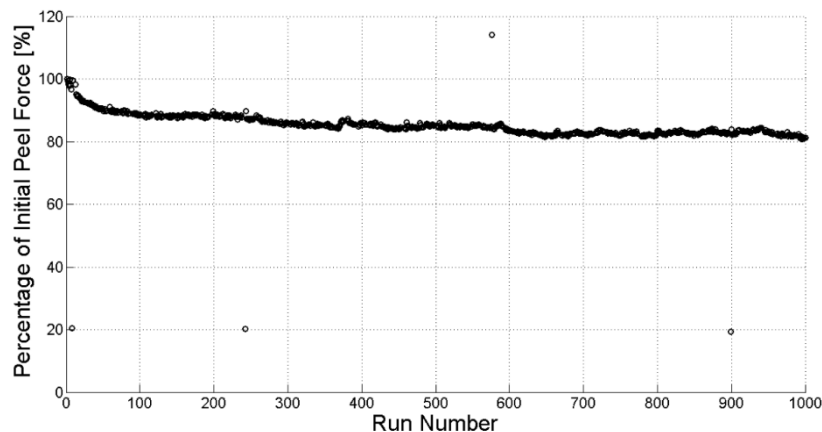
- PET film
- TPU film
- Foam
- Pressure sensitive adhesive

Adhesive Performance

	Description	Shear Strength (N/cm ²)	180° Peel Strength (N/cm)	90° Peel Strength (N/cm)
DA 900	High strength dry adhesive microfiber	30-40	1-2	0.6-0.8
DA 200	Medium strength dry adhesive microfiber	20-30	0.5	0.2-.04
DA 300	Low strength dry adhesive microfiber	10	NA	NA

5lb pre-load, 1 minute dwell time, retraction speed of 1mm/s, on stainless steel substrate.

Performance over 1000 peel cycles





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Guidelines and Recommendations

Setex DA is supplied with fiber tips in contact with a release film. This film should be removed before evaluation of the samples and replaced when samples are not in use.

For best performance, adhesive samples should be applied to a clean, dry surface, free of any oil or debris.

The strength of the dry adhesive is dependent on the number of microfiber tips in contact with the surface and the contact time. We recommend applying with firm pressure to achieve good surface contact.

For optimal adhesive strength avoid touching the microfiber surface. We recommend handling the microfiber samples using gloves to avoid contamination.

In the event that a sample becomes contaminated, it can be refreshed by blotting with a conventional pressure sensitive adhesive.