



Product Information



86µm double sided transparent PVC film tape without liner

Product Description

tesa® 51903 is a transparent, double-sided adhesive tape without release liner featuring a PVC backing and an acrylic adhesive. The acrylic adhesive system of the double-sided linerless tape has different adhesion values on each side, which makes tesa® 51903 the perfect solution for box-closure applications. The different adhesion values on each side are precisely balanced, so that tesa® 51903 can be unwound easily, even after long periods of storage.

Product Features

- Double-sided tape without liner
- Different adhesion values on each side
- Adhesive on each side is precisely balanced, so that tesa® 51903 can be unwound without liner

Application Fields

- tesa® 51903 is ideally used for box-closure applications and is even suited for thin film bags
- Mounting lightweight parts
- Splicing various materials such as plastic, metal foils, paper, and cardboard
- Bonding applications in the lithography industry

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Product Construction

•	Backing material	PVC film	•	Total thickness	86 µm				
•	Type of adhesive	acrylic	•	Color	transparent				
Properties/Performance Values									
•	Elongation at break	40 %	•	Static shear resistance at 23°C	low				
•	Tensile strength	35 N/cm	•	Static shear resistance at 40°C	low				
•	Ageing resistance (UV)	very good	•	Tack	good				
•	Chemical resistance	medium	•	Temperature resistance long	60 °C				
•	Humidity resistance	very good		term					
•	Softener resistance	low	•	Temperature resistance min.	-40 °C				
			•	Temperature resistance short	70 °C				

term



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Adhesion to Values

•	ABS (initial)	2.8 N/cm	•	PET (after 14 days)	2.2 N/cm
•	ABS (after 14 days)	2 N/cm	•	PP (initial)	1.7 N/cm
•	Aluminium (initial)	1.5 N/cm	•	PP (after 14 days)	2.4 N/cm
•	Aluminium (after 14 days)	2.5 N/cm	•	PS (initial)	2.7 N/cm
•	PC (initial)	2.7 N/cm	•	PS (after 14 days)	2.7 N/cm
•	PC (after 14 days)	1.8 N/cm	•	PVC (initial)	1.8 N/cm
•	PE (initial)	1.2 N/cm	•	PVC (after 14 days)	2.5 N/cm
•	PE (after 14 days)	1.8 N/cm	•	Steel (initial)	2.4 N/cm
•	PET (initial)	1.8 N/cm	•	Steel (after 14 days)	3 N/cm

Disclaimer

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