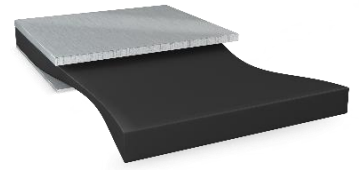


tesa® 76565

Bond & Detach



Technical Information

Product Construction

Design	Single layer
Color	Deep black
Thickness	0.5 mm
Material	Synthetic Rubber

Liner Properties

Material	PET
Color	colorless
Die cutting	Very good
Liner removal force	< 20 cN/cm

Temperature Resistance¹

short-term	> 160 °C
long-term	120 °C



Peel Adhesion²

ASTM steel	28 N/cm
Glass	29 N/cm
Aluminum	19 N/cm
PP	16 N/cm
PE	15 N/cm
PVC	15 N/cm
ABS	20 N/cm
PS	29 N/cm
PET	9 N/cm
PC	18 N/cm



Shear Resistance

Static shear resistance³, Holding time > 1000 h

RT	1000 g
-40 °C	500 g
90 °C	300 g
85°C / 85% r.h	300 g
120 °C	50 g

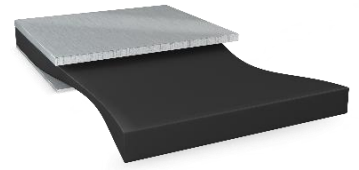


Disclaimer

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tesa® 76565

Bond & Detach



Technical Information

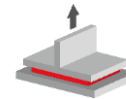
Dynamic shear resistance⁴:

initial RT	80 N/cm ²
after 3d RT	80 N/cm ²
after 10d 40°C/100% + reconditioning	90 N/cm ²



Dynamic T-Block Test⁵

initial	70 N/cm ²
after 3d RT	95 N/cm ²

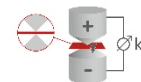


Cohesive Properties

Elongation at Break ⁶	> 600%
Tensile Strength ⁶	> 17 MPa



Dielectric Strength ⁷	> 24 kV/mm
Dielectric Breakdown Voltage ⁷	> 12 kV



TG (DSC)	-37 °C
Density	1.0 t/m ³

Others

VOC (VDA278) covered	800 µg/g
FOG (VDA278) covered	4700 µg/g
Formaldehyde (VDA 275)	< 1.2 mg/kg DM
Odor (VDA270, 80 °C)	3.5
Optical density	> 6.6
OCA compatibility (DIN75220, tested with tesa OCA 88708)	passed

¹ Measured on aluminum, 20g/cm², short term 15 minutes, long term 90 days holding time, shear < 1mm.

² Measured in 180° angle, 300 mm/min, after 3 days storage at RT, covered side.

³ Static shear on ASTM steel/ASTM steel, 12,5x25mm, loaded after conditioning 24h at RT, shear <1mm.

⁴ Dynamic shear initial on ASTM steel/ASTM steel, 12.5x25mm, 50 mm/min.

⁵ Dynamic Aluminum T-Block on steel substrate, 25x25 mm, 50 mm/min.

⁶ Measured at a speed of 1000 mm/min.

⁷ According to IEC 60243-1, 10.1 at 500 V/s.

PLEASE NOTE:

The values in this technical information sheet should be considered representative or typical target values only and should not be used for specification purposes.

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