

Description

The double-sided adhesive tape consists of a polyester film carrier with high dielectric strength, which is coated on both sides with a modified acrylate pressure-sensitive adhesive. Its highly shear resistant adhesive shows excellent durability when attached to metal, varnish and high energy surfaces, and good durability when attached to low energy surfaces.

Carrier

Polyester film (12 micron, transparent)

Liner

Double-sided siliconised paper (90 g/m², yellow)

Adhesive

Modified acrylic

Area of use

This double-sided tape is developed for demanding commercial and industrial applications where high shear strength, high adhesion and temperature resistance is required. It is used for the adhesion of foams in the battery construction of e-vehicles and bonding of electronic components.

Technical Data

Thickness* (carrier + adhesive)	30 micron [$\pm 30\%$]	
Temperature resistance***	-40° C to + 160° C, short term up to +180° C	
Resistance to solvents and chemicals	with expert application resistant to most oils, greases, fuels, aliphatic solvents, weak acids, salts and alkalis	
Adhesion* (FINAT TM 1, on stainless steel, one side covered with 50 micron polyester film)	8 N/25 mm	after 1 min
	9 N/25 mm	after 20 min
	11 N/25 mm	after 24 h
Shear strength* (FINAT TM 8, on stainless steel, one side covered with 50 micron polyester film)	> 400 h	at 23° C
	> 72 h	at 70° C
Dielectric strength PET-carrier* (kV·mm ⁻¹ , EN 60674-3-2)	300 kV·mm ⁻¹	
Shelf life**	2 years	
Application temperature	> +15° C	

* average ** in original packaging, at 20° C and 50% relative humidity *** 1h, normal climate of Central Europe

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