# ORABOND® 13981



## 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

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| **Thickness*** (carrier + adhesive) | 30 micron [±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*** ($kV \cdot mm^{-1}$, EN 60674-3-2) | 300 $kV \cdot mm^{-1}$ | |
| **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