

tesa® 58388

Product Information



55µm Single-Sided White Thermal Barrier Encapsulation PET Tape

Product Description

tesa® 58388 is a 55µm Single-Sided White PET Tape with an acrylic adhesive that has been specifically designed for automation compatibility and the encapsulation of thermal barriers.

Product Features

- Excellent dielectric strength for electrically sensitive battery environments.
- Thin profile for applications with space constraints
- Supports automated converting and assembly processes.
- Improves mechanical integrity and durability of thermal barrier assemblies.
- Low CO₂ footprint, no solvents

Application Fields

- Electrical insulation in battery system
- Wrapping or encapsulation
- Encapsulation of thermal barrier materials

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 | PET film | • Type of liner | PET film |
| • Type of adhesive | acrylic | • Total thickness | 55 µm |

Product Assortment

- | | |
|--------------------|-------|
| • Available colors | white |
|--------------------|-------|

Properties/Performance Values

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|-----------------------|---------|-----------------------|-------|
| • Elongation at break | 80 % | • CTI (backing side) | 400 V |
| • Tensile strength | 32 N/cm | • Humidity resistance | good |
| • Breakdown voltage | 5 KV | • Release of liner | easy |

Adhesion to Values

- | | |
|------------------|----------|
| • ASTM (initial) | 3.4 N/cm |
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