



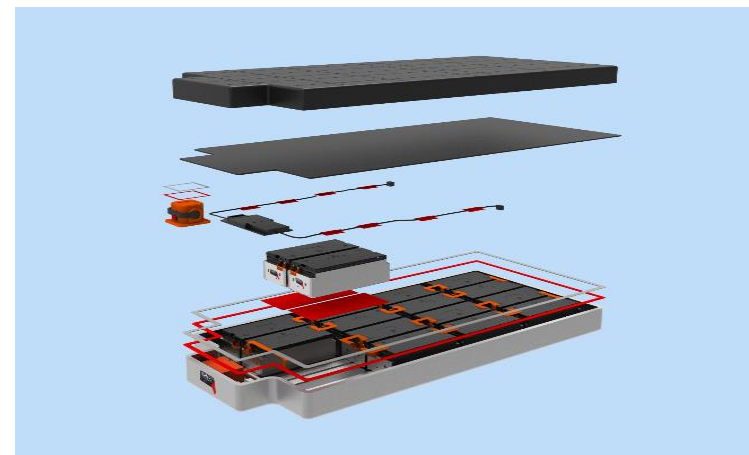
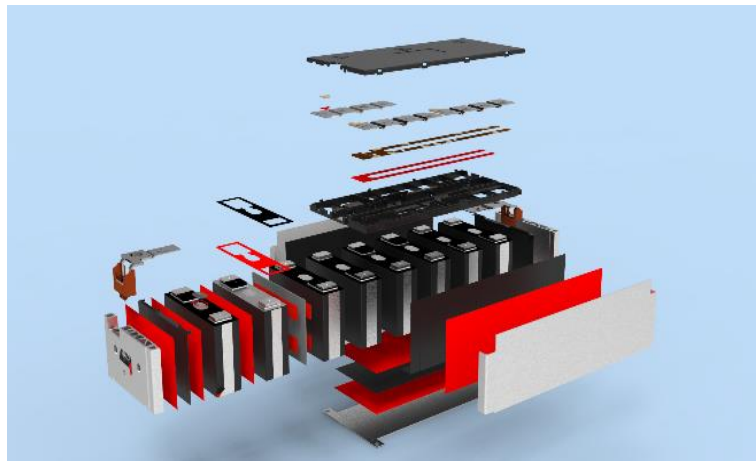
Mica Mounting Assortment Automotive and Converter Markets



EKO-TECH Sp z o.o. sp. k. ul. Fabryczna 1B, 42-660 Kalety
tel: 34 3578 624 e-mail: info@eko-tech.biz www.eko-tech.biz | www.converting-tasm.pl

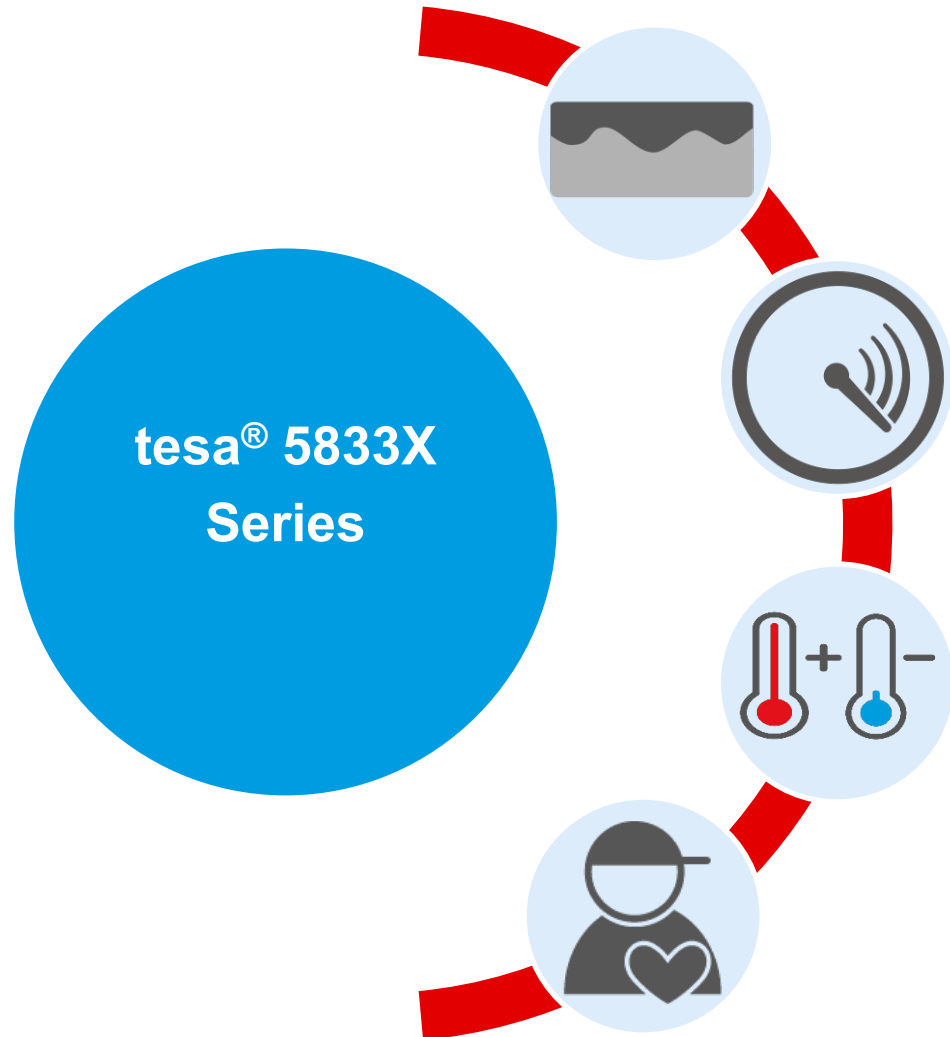
Mica Mounting Assortment

- With the increasing speed of NEV delivery globally, the needs of fire protection solution becomes very demanding in the market.
 - Mica, as one of high temperature resistance materials for fire protection, is widely used in EV battery applications, e.g. battery module busbar protection, battery lid protection, cell to cell mounting, etc.
 - For those required Mica mounting application, double-sided tapes are needed for lamination. However, Mica is not very friendly to tapes due to its rough surface and brittle material characteristics.
- tesa® 58332, tesa® 58334 and tesa® 58335 are designed for Mica mounting due to their outstanding wet-out performance immediately on Mica
 - tesa 5837x flame retardant and halogen-free Mica mounting series



Mica Mounting Assortment

Key Features



- Provides outstanding initial peel strength on mica surface or other rough surface due to its efficient wet-out performance.

- Offer easier liner remove force to help customer increase production efficiency.

- Ensure good reliability within a wide temperature/humidity range.

- Achieve environment friendly application with halogen-free, RoHS.

Mica Mounting Products

Design



	tesa® 58332	tesa® 58334	tesa® 58335
Tape thickness	50µm	100µm	150µm
Tape design	d/s differential*	d/s differential*	d/s
Color	Transparent	Transparent	Transparent
Adhesive	Modified acrylic	Modified acrylic	Modified acrylic
Backing	4.5µm PET	12µm PET	12µm PET
Liner	Logo glassine PV20	Logo glassine PV20	Logo glassine PV20/PV40

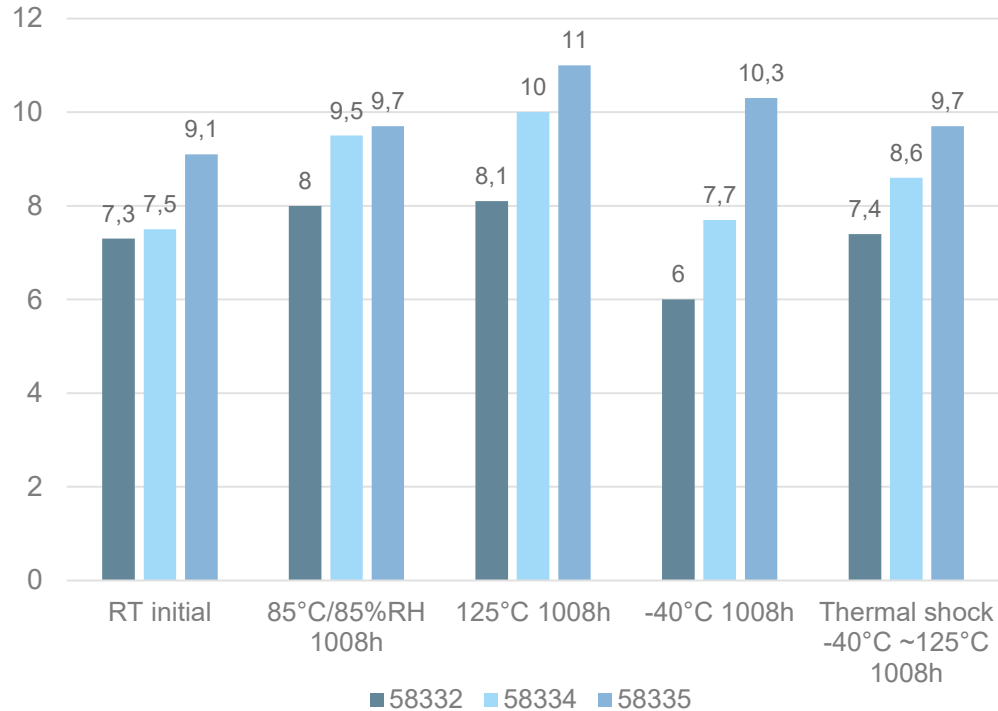
* It is recommended to put open side of tesa® 58332 and tesa® 58334 on mica or other rough surface substrate due to its higher coating weight.

*Samples are available: Thomas.Niemeyer@tesa.com

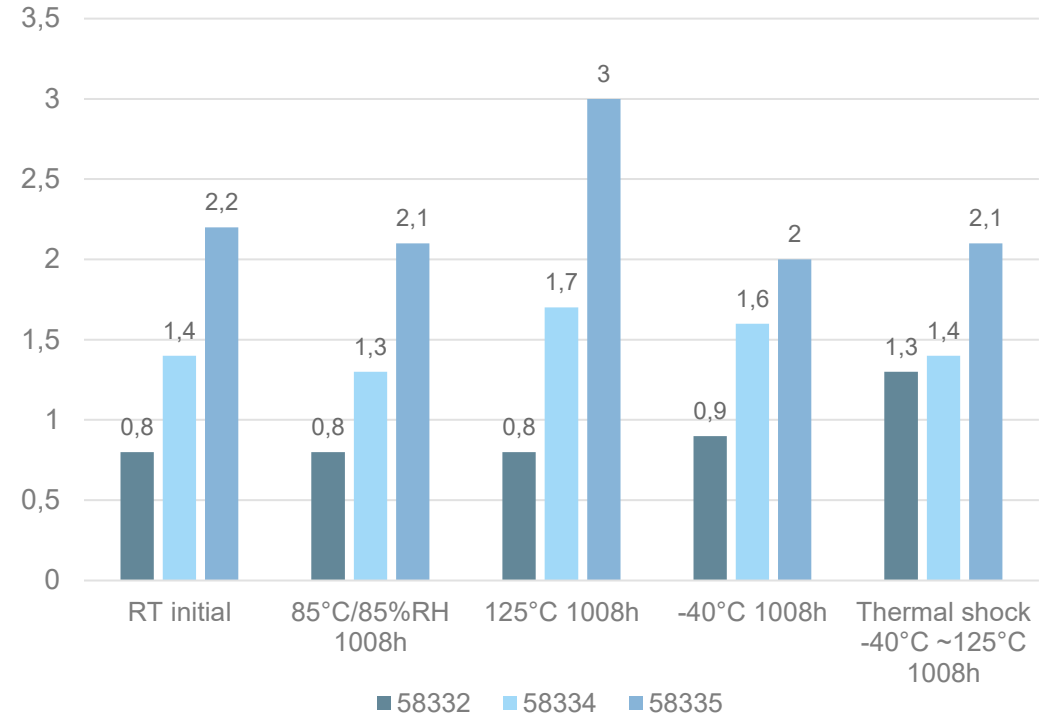
Mica Mounting Product

Performance – Peel Adhesion

180° Peel Adhesion on Al [N/cm]



180° Peel Adhesion on Mica [N/cm]



tesa® 5833X Series show excellent initial peel performance and keep stable performance after application storage at different conditions.

*for tesa® 58332 and tesa® 58334, only refer to the open side.

tesa® Flame Retardant MICA mounting solutions

Halogen-free Mounting

tesa® FR
45051



tesa® FR
58375



tesa® FR
58372 /
58373



	tesa® FR 45051	tesa® FR 58375	tesa® FR 58372 / 58373
Product design	Acrylic adhesive PET backing	Acrylic adhesive Non-Woven	Acrylic adhesive PET backing
Tape thickness	200 µm	130 µm	50µm / 80µm
Color	Transparent tape Red liner	White tape White liner	Transparent tape White liner
UL 94	VTM-0	VTM-0	VTM-0
FAR 25.853	✓	Not tested	Not tested
Light-weight	✓	✓	✓
Conformability	★	★★	★
Standard bonding	★★★	★★★	★★★
Demanding bonding	★	★	★
Temperature resistance	★★★	★★★	★★★

tesa® flameXtinct



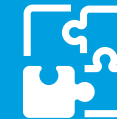
Flame retardant



Halogen-free



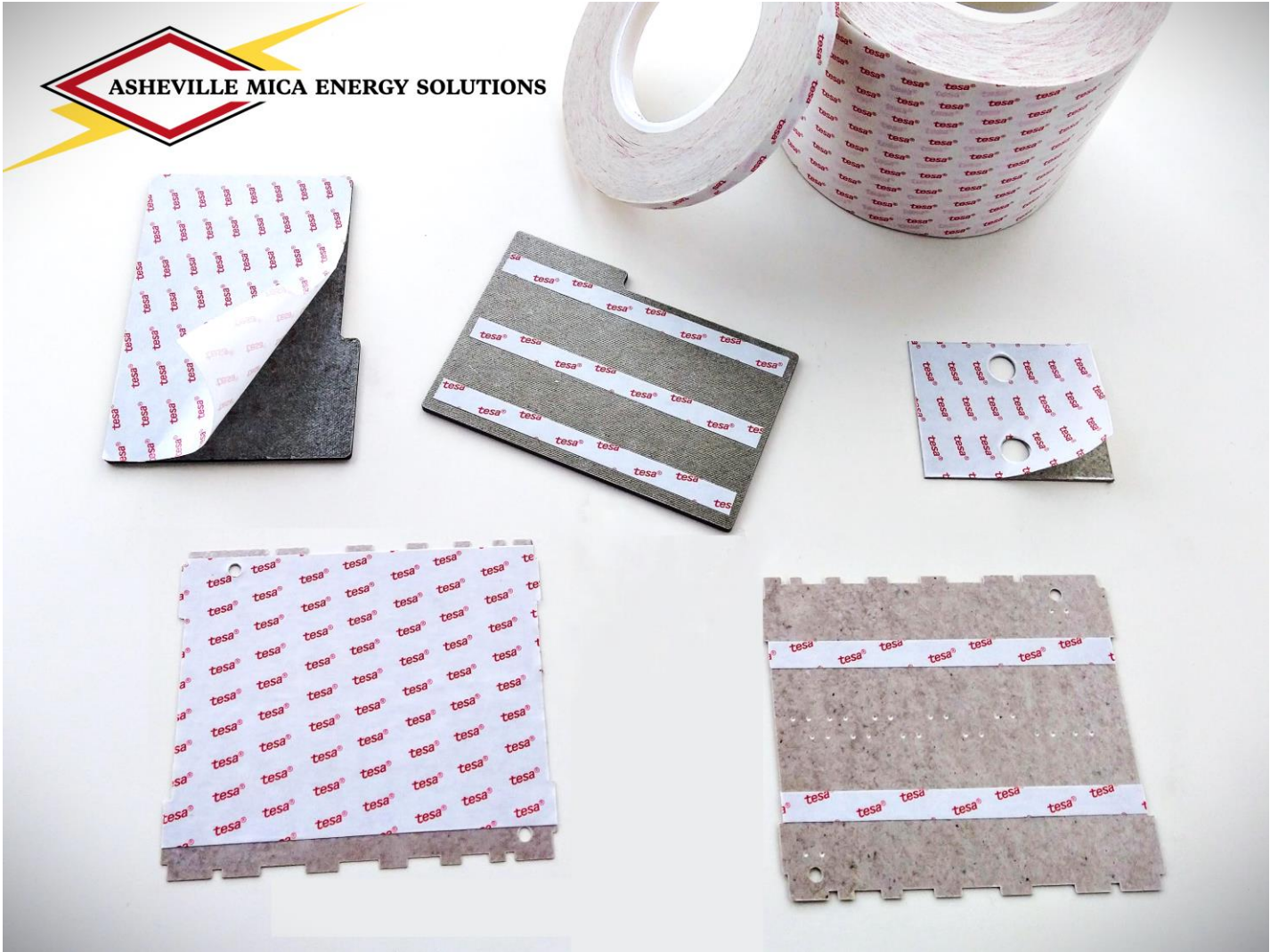
High performance
adhesives



Wide product
portfolio

Mica mounting reference

Asheville MICA with tesa FR 5837x series





Thank you



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