

THERMOTUF™ COMPOUNDS PROVIDE NEW STRUCTURAL SOLUTIONS

SOLUTION STORY: ELECTRONICS

HIGHLIGHTS

- Reduce overall end product thickness and weight
- Excellent mechanical structure
- Bonding strength reliability vs. glue adhesion
- Various surface decoration process alternatives

SHORT STORY

Nano molding technology (NMT) is an innovative technology wherein plastic resin is injected into a metal surface. This process is developed from the integration technology of metal and plastic, and it is one of the best ways to make key parts of consumer product and replace the traditional insert molding and die casting process.

Aesthetically pleasing metal/plastic hybrid designs are useful not only in consumer electronics, but also in the automotive, healthcare, and lighting industries for applications that require the design flexibility and performance properties of thermoplastics, combined with the lightweight strength of metal. Major benefits of NMT include miniaturization and aesthetic design freedom.

Optimized grades within the SABIC® THERMOTUF™ product line could help customers achieve nano-molding technology design and performance objectives.

CONTACT US

Reach out to learn more about solutions for Electronics from SABIC.
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