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### Special Points of Interest:

- Nemcon™ H Product Line Commercialized
- Thermally Conductive Polymer Compounds
- Aerospace, Automotive, and Electrical Applications



*"Speed, Accuracy,  
Consistency, Quality,  
and Cost Efficient"*



### Ovation Polymers

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## OVATION POLYMERS COMMERCIALIZES THERMALLY CONDUCTIVE PRODUCT LINE



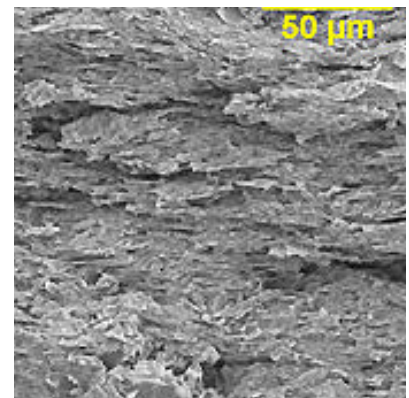
Plastics have been historically proven to replace metals in various applications where they have inherent characteristics namely *low specific gravity, high strength to weight ratio, ease of processing, corrosion resistance, and wide property-performance selection* available for custom design of material and parts.

Inherent thermal conductivity of metals has been one of the steepest challenges for plastics to conquer. Because of the rapid advances in consumer electronics, medical equipment, and the drive towards energy-efficient transportation, the desire to have light-weight polymers that can "mimic" this aspect of metals is huge.

With proprietary technology and innovative chemistry, **Ovation Polymers** has commercialized **NEMCON™ H – Thermally Conductive Compounds** serving new frontiers of applications that was once an exclusive domain of metals.

These compounds are formulated without compromising the ease of processing that plastics have to offer. The salient technological features of **NEMCON™ H** are:

- Tailor designed compounds with tuned in thermal conductivity.
- Significantly lower specific gravity as compared to metals or ceramics.
- Available with and without electrical conductivity.
- Can be customized into wide spectrum of colors.
- Specifically designed to meet one or more performance requirements namely flame retardancy, flexibility, high continuous use temperatures, strength, low CTE, and surface properties along with thermal conductivity.



Morphological study using SEM showing even dispersion of thermally conducting filler in the polymer matrix.

These compounds can be easily processed by conventional conversion methods. Target applications include electrical connectors, consumer appliances, aerospace, electronic components, encapsulation, under-the-hood automotive components, microwaveable containers, and many more. We encourage you to work with us to custom design **Nemcon™ H** products to best suit your needs.