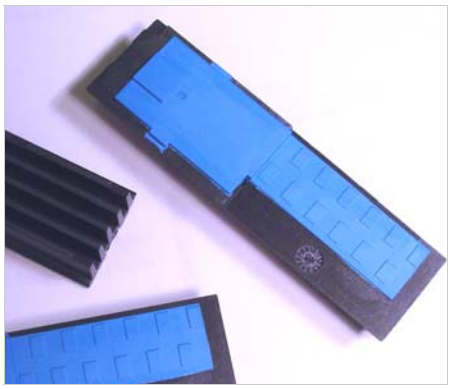
CoolPoly® Thermally Conductive Plastics
FOR GASKETS AND THERMAL INTERFACE

BENEFITS

CoolPoly thermally conductive injection molding grade thermoplastic elastomers are ideal for 3-dimensional, net-shape molding of thermal interfaces and gaskets. Unlike traditional die cut 2-dimensional silicone interfaces, CoolPoly thermally conductive elastomers can be injection molded into complex shapes, molded directly onto parts, or used to encapsulate components.

As an example, CoolPoly thermally conductive elastomer can be used as the base of a heat sink eliminating the need for an additional compliant interface. Thermally conductive elastomers are also useful as "soft-touch" components having heated or cooled surfaces.



KEY FEATURES

- LOW THERMAL RESISTANCE
- CONFORMANCE TO ROUGH AND NON-PLANAR SURFACES
- SOFTNESS
- 3-DIMENSIONAL COMPLEXITY
- GAP FILLING
- NET-SHAPE NO WASTE

CoolPoly thermally conductive elastomers are used in a wide variety of electronic, automotive, industrial and consumer applications.

Recommended Materials:

ATTRIBUTES (SUMMARY)	D8102 (TPE)	E8101 (TPE)	D4302 (PBT)
Electrically Conductive		√	
Thermal Conductivity	3 W/mK	15 W/mK	2.6 W/mK
Shore Durometer	35 A	68 A	70 D
Density	1.3 g/cc	1.25 g/cc	1.47 g/cc
Color			

For complete datasheets, visit www.coolpolymers.com

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For more information on your specific application, please contact our sales department at 888.811.3787 (Toll free US) or 401.739.7602, visit our website at www.coolpolymers.com or e-mail sales@coolpolymers.com

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