



CoolPoly® D8104 Thermally Conductive Thermoplastic Elastomer (TPE)

CoolPoly D series of thermally conductive plastics transfers heat, a characteristic previously unavailable in injection molding grade polymers. CoolPoly is lightweight, netshape moldable and allows design freedom in applications previously restricted to ceramics. The D series is electrically non-conductive and can be used for its dielectric properties.

Thermal	SI/Metric		Testing Standard
Thermal Conductivity	1.31 W/mK		ASTM E1461
Thermal Diffusivity	0.00632 cm ² /sec		ASTM E1461
Specific Heat	1.39 J/g°C		ASTM E1461
Flammability	V0 @ 0.50mm		UL 94
Mechanical	SI/Metric	English	Testing Standard
Tensile Strength	2.52 MPa	365 psi	ISO 37
Nominal Strain @ Break	151 %	151 %	ISO 37
Tensile Modulus	31.9 MPa	4626 psi	ISO 37
Physical	SI/Metric	English	Testing Standard
Density	1.48 g/cc	0.0535 lb/in ³	ISO 1183

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