

TECHNOMELT® PA 2384

TECHNOMELT® PA 2384 offers chemical resistance for devices that are exposed to various chemicals, including solvents, acids, engine fluids, soaps and alkalines, among others. Low pressure molding speed is exceptionally fast and, like all TECHNOMELT® materials, TECHNOMELT® PA 2384 provides freedom of design, streamlined processing and product sealing in a single step, and very little material waste.

CHEMICAL RESISTANCE*

TECHNOMELT® PA 2384 showed improved performance when exposed to industry-standard chemical media, resulting in minimal degradation in appearance and mechanical properties after exposure.

This included:

- Automotive engine fluids, such as fuel, oils and antifreeze
- External fluids, such as wiper fluid, degreasers and engine paints/primers
- Consumer fluids, such as cola, solvents, IPA and urea/N₂ blends

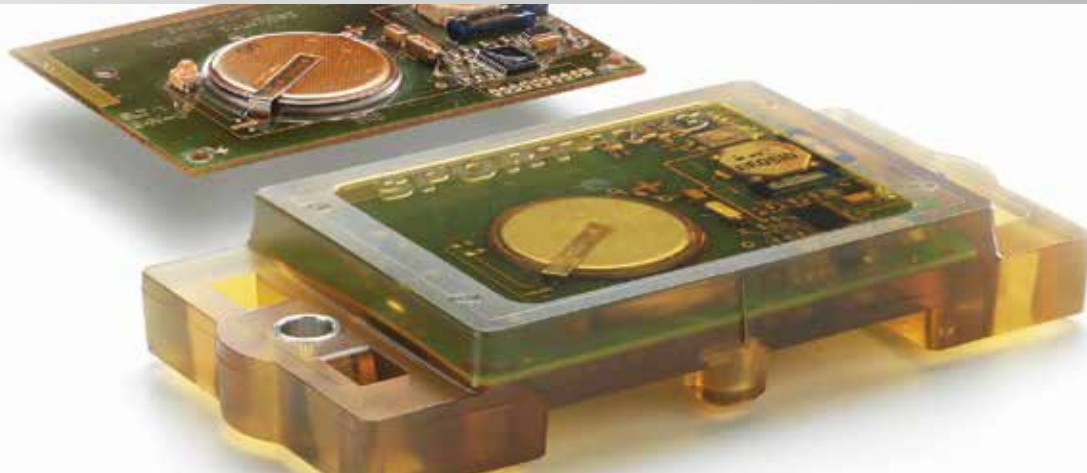
* These test samples shall comply with all performance requirements outlined in this specification after being exposed to the conditions described in 5.13 of CES 14311.

MATERIAL PROPERTIES

Appearance	Opaque Light Amber	
Viscosity @ 225°C (437°F), Pa·s	110 - 150	
Shore Hardness	65 D	
Softening Point	206°C - 216°C	403°F - 421°F
Recommended Application Temperature	232°C - 260°C	450°F - 500°F
Temperature Creep Resistance	>200°C	>392°F
Moisture Uptake, %	After 1 Day	After 7 Days
	0.7	1.9

TENSILE PROPERTIES

2% Modulus, psi	25,000 - 55,000
Elongation, %	300 - 500
Ultimate Tensile Strength, psi	2,000 - 6,000
Yield Strength, psi	2,000 - 3,000
Cold Flexibility / Mandrel	-30°C



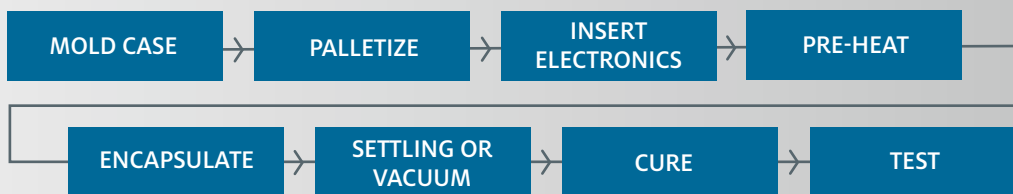
OVERVIEW

LOW PRESSURE MOLDING

Henkel's renowned TECHNOMELT® low pressure molding solution delivers superior sealing adhesion and excellent temperature and solvent resistance. The simplicity of these materials is their advantage: The entire TECHNOMELT® operation takes place at low pressure, cycle time is short, and fine or fragile circuitry is not damaged, delivering measurable improvements over that of traditional potting or encapsulating processes. PCB and circuitry protection is essential in modern, challenging applications, and Henkel provides manufacturers with proven, reliable solutions and peace of mind.

PROCESS

TRADITIONAL POTTING PROCESS FLOW



LOW PRESSURE PROCESS FLOW



**Across the Board,
Around the Globe.**



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Henkel Electronic Materials, LLC

14000 Jamboree Road
Irvine, CA 92606
+1.714.368.8000
+1.800.562.8483

Henkel Europe

Nijverheidsstraat 7
B-2260, Westerlo
Belgium
+32.1457.5611

Henkel Asia

332 Meigui South Road
WaiGaoQiao FTZ
Shanghai 200131 China
+86.21.3898.4800

