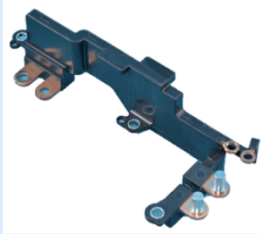
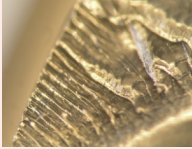
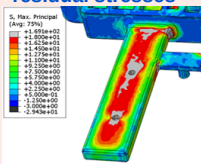
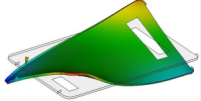
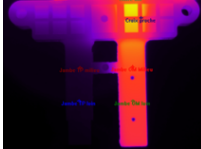
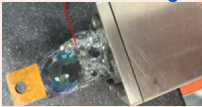
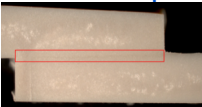


Overmolding



APPLICATIONS (CTD) - CONFIDENTIAL		TECHNICAL CONCERNS /CHALLENGES/ISSUES	CAPABILITIES
Metal overmolding with thermoplastics (TP)		thermal shock (cycling) 	Overmolding Capabilities (all regions)     ...
	busbar (PPS-metal)	stress-cracking (ESCR) 	
Metal overmolding with elastomers		residual stresses 	
	engine crankshaft seal (FKM-metal)	core shift 	
TP overmolding with TP /elastomers		warpage (with thin metal frames) 	
	hand pruner (ixef1022-silicone)	metal overmolding - thermal studies 	current overmolding projects - status (Aug 2024)
TPC/TSC overmolding with TP /elastomers		adhesion to metal and tightness 	
		adhesion to thermoplastics 	

adhesion to thermoplastic or thermoset composites



insert overmolding vs. 2K molding

[Link to EV busbar program
\(electrification initiative\)](#)

[overall document about the use of VE in
busbar](#)

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