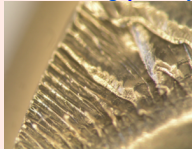
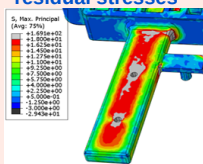
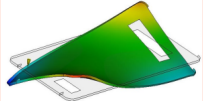
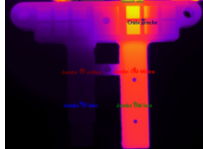


Overmolding



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