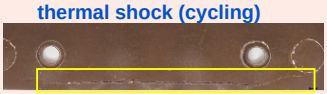
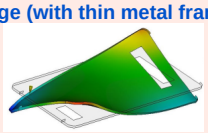
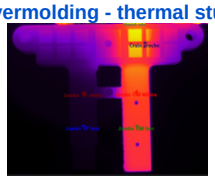
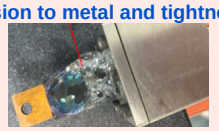
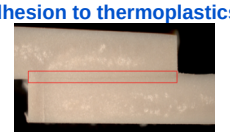
Overmolding

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

CAPABILITIES	
Overmolding Capabilities **(all regions)**	...

current overmolding projects - status (Aug 2024)

adhesion to thermoplastic or thermoset c omposites
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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