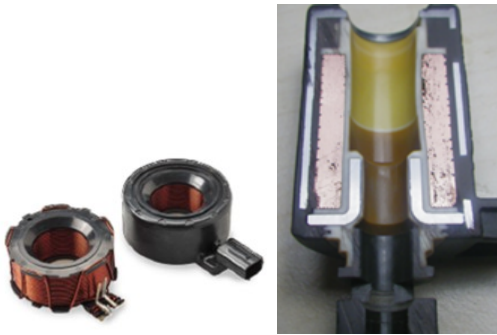
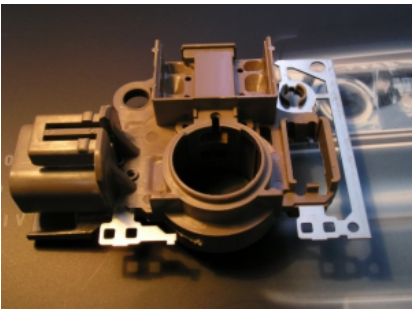
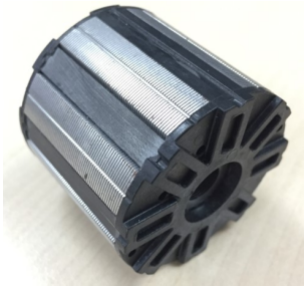
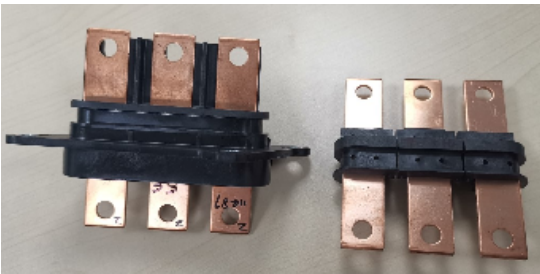
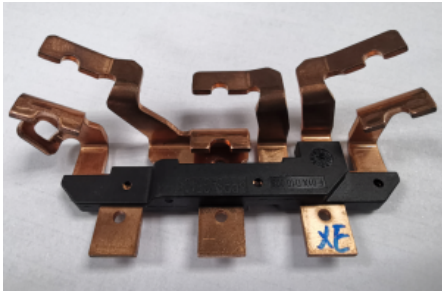


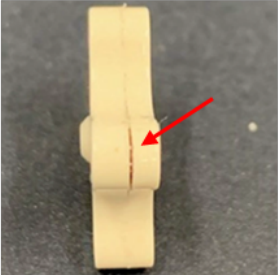
Metal overmolding with thermoplastic

Hereafter a list of some commercial applications for which our polymers have been used (successfully) in a metal insert overmolding.

Application	Picture	Polymer	Insert material	CTD ref. / Comments
Threaded fitting		PPSU Radel	Brass or Steel	Phil Martin
Split for Smartphone		PAEK Avaspire	Metal frame AL - SUS - Mg - Ti	Li Connor
Active Purge Pump Stator		PPA Amodel AE-4133	Copper winding	Stefano Montani
brackets for cooling lines		PPS Ryton XE-5030	Steel	Marc Schelles
Handle of reusable surgical instruments		PPSU Radel	Stainless steel	Federico Baruffi
Coil Bobbin		PPA Amodel	Tin plated copper	Shigeki Kanatani
Solenoid valve		PPA Amodel, PPS Ryton	Copper bobbins	
actuator coils for diesel injectors		PPA Amodel AS-4133HS	copper wire winding	

Alternator Brush holder			Aluminum - Stainless steel	
EPS Rotor motor				
Alternator slip ring		PPS Ryton	Copper	
Fuse connection		PPSU Radel	Stainless steel	
Electric connector		PPS Ryton	Copper	
Busbar for inverter traction motor		PPA Amodel	Copper	

Triphase busbar unit		PPS Ryton	Copper	
Air duct manifold		PPA Amodel, PPS Ryton	Stainless steel	
Fitting		PPSU Radel	Stainless steel	Phil Martin
Pump Impeller		PPS Ryton	Brass - Stainless steel	Paul Prozeller
Vane tips vacuum pump (brake system)		PEEK	PPS	
Electrical switch		PESU Veradel	Steel	
Leak detector		PPS Ryton	Stainless steel	Phil Martin
Thermostat housing		PPS Ryton, PPA Amodel	Steel - Brass	

Fruit juice impeller		PARA Ixef	Steel	Philippe Brasseur
magnets overmolding	<i>The magnets are inserted</i>  <i>After complete overmolding</i> 	PPSU Radel R5100	metal	Philippe Brasseur /delamination due to lack of adhesion when overmolding (second shot), rather well predicted