

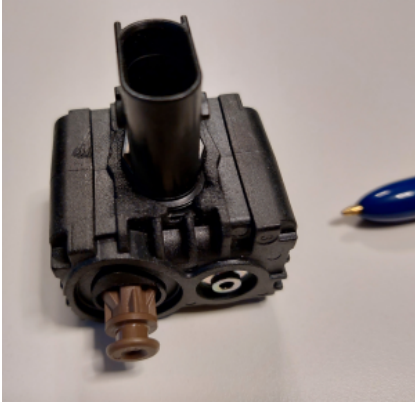


TP overmolding with TP/elastomer

Hereafter a list of a few (so far) commercial applications for which our polymers have been used in a plastic insert overmolding process.

CONFIDENTIAL INFORMATION

Application	Picture	Polymer	Insert material	CTD ref / Comments
Single use surgical instruments		PARA Ixef GS-1022	KetaSpire KT-880 SL	F. Baruffi
Push-fit fitting		PARA Ixef 1022	Cyclic olefin copolymer	M. Schelles
Fryer cover		PBT	PESU Veradel	P. Martin
Stop valve		PP	PPSU Radel	P. Martin
Thermostat housing		Silicone rubber	PPA Amodel	P. Martin
Handle for garden tools		TPE	PARA Ixef	P. Brasseur
Solenoid		PPS R4-240	PPS BR42B	2 solenoid valves (bobbin, connectors, internal magnets...) are overmolded (2 overmolding steps) M. Schelles/ E. Piedemonte

<p>Gas cock valve</p>		<p>Liquid Silicone Rubber</p>	<p>PPA AS- 1566</p>	
<p>AdBlue supply pump</p>	<p>LSR silicone seal</p> 	<p>Liquid Silicone Rubber</p>	<p>PPA A- 1133 HS</p>	
<p>digital mirror housing</p>		<p>PA6</p>	<p>PPS BR111</p>	<p>Philippe Brasseur warpage was an issue (Moldflow calculations performed to illustrate the reasons and the solutions)</p>