PiM “Like”

Same process than PiM

PiM is a manufacturing process based o… …ion moulding and powder metallurgy a… …ws the conception and the produc… following the same mode a… …l, or feedstock PiM, is a m… …nder, pelletised.

3 STEPS PROCESS:

1 - Part production: The PiM feedstock is injected into a mold or 3D printed, a part is obtained and called the “green part”;

2 - Debinding: Thermoplastic binder contained into the PiM feedstock has to be removed from the “green part”. Debinding is processed through solvent disolution of the organic binder. The resulted part is metallic but porous and fragile;

3 - Sintering: The part is densified at elevated temperature and a dimensional shrinkage of the parts is observed (between 16%-20% depending of the feedstock grade).