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## **MATERIAL SCIENCES**

Natech Plastics manufactures high-performance injection-molded thermoplastics and thermosets with advanced properties for critical-use applications.



## **HERMETIC SEALS**

Highly filled parts require proper weld joint design, while overmolds require optimized surface-to-surface adhesion.

# METAL-TO-PLASTIC CONVERSIONS

Engineering-Grade Resins achieve high strength-to-weight ratios, thermal and magnetic conductivity, and EMI/RFI Shielding.



High-performance resins achieve advanced chemical, temperature, and creep resistivity for extreme environments.



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## **MATERIAL SELECTION**

Ultra polymers offer high chemical, temperature, and wear resistance as well as thermal and magnetic conductivity.

PEI, PPA,

**HIGH-PERFORMANCE RESINS** 

**ENGINEERING-GRADE RESINS** 

PET-G, PMMA, PPO PA 6, PA 6112, PA 616, PET, POM, PBT

**COMMODITY RESINS** 

ABS, ASA, HIPS, PS, PVC,SAN HDPE, LDPE, PP, LLDPE, MDPE, TPU

AMORPHOUS

SEMICRYSTALLINE

## MATERIAL FORMULATION







### **BLENDS**

Custom formulations can augment the properties of multiple resins.

### **REINFORCEMENTS**

Fillers such as glass, carbon, and nickel-coated carbon enhance part performance.

### **ADDITIVES**

Internal release compounds improve flow, release, and dispersion.