



MIM APPLICATIONS

Prod. Group No. 3060



Sliding Blocks

MIM components for automatic transmission control systems

Advantages:

- support of component design using the full potential of MIM technology
- technical support helping customers with the development of new products, including methods such as feasibility studies, simulation tools, FEA analysis and FMEA
- close dimensional and positional tolerances
- excellent surface finish
- high precision and reliability
- excellent strength



Automatic gearbox



Sliding block



MIM APPLICATIONS

Characteristics:

- as-molded reproducible geometries
- complex 3D design applicable
- smooth polished surfaces
- isotropic small-grained microstructures
- high ductility
- design for weight reduction
- tensile strength > 950 MPa
- verification of component design using FEA analysis, simulation tools, prototype manufacture and FMEA
- conversion from machining to MIM reducing weight and costs



Molded thread



Variable transition design



Convex surface