

**MPIF STANDARD 35-MIM  
2016 Edition**

*Materials Standards for*

**Metal  
Injection  
Molded Parts**

Published by Metal Powder Industries Federation



# Materials Standards for Metal Injection Molded Parts\*

\*See MPIF Standard 35, *Materials Standards for PM Structural Parts* for structural parts made by the powder metallurgy (PM) process.

\*See MPIF Standard 35, *Materials Standards for PM Self-Lubricating Bearings* for bearings and bushings made by the PM process.

\*See MPIF Standard 35, *Materials Standards for P/F Steel Parts* for steel components made by the powder forging (PF) process.

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# Materials Standards for Metal Injection Molded Parts

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## Scope

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*MPIF Standard 35 is issued to provide the design and materials engineer with the information necessary for specifying powder metal (PM) materials that have been developed by the PM parts manufacturing industry. This section of Standard 35 deals with products manufactured by Metal Injection Molding (MIM). It does not apply to conventional PM structural materials, PM self-lubricating bearings or powder forged (PF) materials which are covered in separate editions of MPIF Standard 35. Each section of this standard is divided into subsections based on the various types of MIM materials in common commercial use within that section. Notes at the beginning of each subsection discuss the characteristics of that material. The same materials may appear in more than one section of the standard depending upon their common use, e.g., some low-alloy or stainless steel materials may also be used in soft-magnetic applications.*

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***Both the purchaser and manufacturer should, in order to avoid possible misconceptions or misunderstandings, agree on the following conditions prior to the manufacture of a MIM component: material selection, chemical composition, minimum property values and any other processes, that may affect the part application.***

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