MPIF Standard 35-PF

Materials Standards for PF Steel 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 Metal Injection Molded Parts* for PM components made by the metal injection molding (MIM) process.

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MPIF Standard 35-PF

Materials Standards for PF Steel Parts

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Scope

MPIF Standard 35 is issued to provide the design and materials engineer with the information necessary for specifying powder metallurgy (PM) materials that have been developed by the PM parts manufacturing industry. This section of Standard 35 deals with products manufactured by powder forging (PF). It does not apply to materials for conventional PM structural, self-lubricating bearings or metal injection molded (MIM) products, 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 PF materials in common commercial use within that section. Notes at the beginning of each subsection discuss the characteristics of that material. Users of this standard should make a determination as to the availability of any referenced material.

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Both the purchaser and producer should, in order to avoid possible misconceptions or misunderstandings, agree on the following conditions prior to the manufacture of a PF component: material selection, chemical composition and alloying method, proof testing, typical property values and processes, which may affect the part application.

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