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Standard Classification for Fluoropolymer Micropowders¹

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1. Scope*

1.1 This classification system provides a method of adequately identifying PTFE micropowders using a system consistent with that of Classification System D 4000. It further provides a means for specifying these materials by the use of a simple line callout designation. This classification covers fluoropolymer micropowders that are used as lubricants and as additives to other materials in order to improve lubricity or to control other characteristics of the base material.

1.2 These powders are sometimes known as lubricant powders. The powders usually have a much smaller particle size than those used for molding or extrusion, and they generally are not processed alone. The test methods and properties included are those required to identify and specify the various types of fluoropolymer micropowders. Recycled fluoropolymer materials meeting the detailed requirements of this classification are included (see Guide D 5033).

¹ This classification is under the jurisdiction of ASTM Committee D-20 on Plastics and is the direct responsibility of Subcommittee D20.15 on Thermoplastic Materials

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*A Summary of Changes section appears at the end of this standard.