



Designation: D 2497 – 9501

Standard Tolerances for Man-Made Manufactured Organic-Base Filament Single Yarns¹

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1. Scope

1.1 These tolerances cover first-quality, ~~man-made~~, manufactured, organic-base filament single yarns (namely, bright, semi-dull, dull, solution-dyed, bleached, unbleached, etc.) regardless of the package type. These tolerances cover permissible variations in linear density, tenacity, elongation, twist, and commercial weight.

1.1.1 These tolerances do not apply to rubber yarns, spandex yarns, metal-covered yarns, nor to bulk yarns since test methods for these types of yarn are not available. These tolerances do not apply to industrial filament yarns.

NOTE 1—Tolerances for ~~cords made from manmade filament yarns appear in Specification D 3219. Tolerances for~~ inorganic glass yarns are given in Specifications and Methods D 578.

1.2 This standard covers only tolerances. It does not cover specifications or quality levels, for yarns to be used for any purpose. Specifications for specific properties are subject to agreement by the purchaser and the supplier.

NOTE 2—While the tolerances specified may be applied to yarn taken from fabric, the properties of such yarns will likely differ from the original level.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

¹ These tolerances are under jurisdiction of ASTM Committee D-13 on Textiles, and are the direct responsibility of Subcommittee D13.58 on Yarn Test Methods, General. Current edition approved ~~May 15, 1995; April 10, 2001~~. Published ~~July 1995; June 2001~~. Originally published as D 2497 – 63 T replacing D 1235, D 1236, and D 1237. Last previous edition ~~D 2497 – 80 (1990); D 2497 – 95~~.