



Designation: ~~D4360-03~~ Designation: D4360 - 11

Standard Specification for Methyl *n*-Amyl Ketone¹

This standard is issued under the fixed designation D4360; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope*

- 1.1 This specification covers methyl *n*-amyl ketone (98 % grade) for use in paint, varnish, lacquer, and related products.
- 1.2 For specific hazard information and guidance, see the supplier's Material Safety Data Sheet for materials listed in this specification.
- 1.3 The following applies to all specified limits in this standard; for purposes of determining conformance with this standard, an observed value or a calculated value shall be rounded off "to the nearest unit" in the last right-hand digit used in expressing the specification limit, in accordance with the rounding-off method of Practice E29.

2. Referenced Documents

2.1 *ASTM Standards*:²

- D268 [Guide for Sampling and Testing Volatile Solvents and Chemical Intermediates for Use in Paint and Related Coatings and Material](#)
- D1078 [Test Method for Distillation Range of Volatile Organic Liquids](#)
- D1209 [Test Method for Color of Clear Liquids \(Platinum-Cobalt Scale\)](#)
- D1364 [Test Method for Water in Volatile Solvents \(Karl Fischer Reagent Titration Method\)](#)
- D1613 [Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer, and Related Products](#)
- D3893 [Test Method for Purity of Methyl Amyl Ketone and Methyl Isoamyl Ketone by Gas Chromatography](#)
- D4052 [Test Method for Density, Relative Density, and API Gravity of Liquids by Digital Density Meter](#)

D5386 [Test Method for Color of Liquids Using Tristimulus Colorimetry](#)

E29 [Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications](#)

E300 [Practice for Sampling Industrial Chemicals](#)

2.2 *Federal Specification*:

PPP-C-2020 [Chemicals, Liquid, Dry, and Paste: Packaging of](#)³

E1 [Specification for ASTM Liquid-in-Glass Thermometers](#)

3. Properties

3.1 Methyl *n*-amyl ketone shall conform to the following requirements:

Apparent specific gravity	
20/20°C	0.815–0.818
or	or
25/25°C	0.812–0.815
Color, Pt-Co scale, max	40
Color, Pt-Co scale, max (Note 1)	10
Distillation, 760 mm Hg, °C	
Initial boiling point, min	147
Dry point, max	153.5

¹ This specification is under the jurisdiction of ASTM Committee D01 on Paint and Related Coatings, Materials, and Applications and is the direct responsibility of Subcommittee D01.35 on Solvents, Plasticizers, and Chemical Intermediates.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ Available from Standardization Documents Order Desk, DODSSP, Bldg. 4, Section D, 700 Robbins Ave., Philadelphia, PA 19111-5098, http://dodssp.daps.dla.mil.

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