

AEROSPACE MATERIAL SPECIFICATION

Submitted for recognition as an American National Standard

SAE AMS 3853/1

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CORD, AROMATIC POLYAMIDE, NONMELTING
100 lb (445 N), 780 ft per lb (525 m/kg)

1. SCOPE:

- 1.1 Form: This specification covers one type of aromatic polyamide in the form of cord.
- 1.2 Application: Primarily for use as personnel parachute suspension lines.
- 1.3 Classification: Breaking strength not lower than 100 lb (445 N) and weight not lower than 780 ft per lb (525 m/kg).

2. APPLICABLE DOCUMENTS: See AMS 3853.

3. TECHNICAL REQUIREMENTS:

- 3.1 Basic Specification: The complete requirements for procuring the cord described herein shall consist of this document and the latest issue of the basic specification, AMS 3853.
- 3.2 Properties: Cord shall conform to the following requirements, determined in accordance with test methods specified in the basic specification.

3.2.1 Yarn:

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| 3.2.1.1 Denier | 200 |
| 3.2.1.2 Ply | 4 |
| 3.2.1.3 Twist, turns per in. (25.4 mm) | |
| Singles | 7.0S to 9.5S |
| Ply | 5Z to 7Z |
| 3.2.1.4 Picks per in. (25.4 mm) | 24 to 26 |

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