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AEROSPACE MATERIAL SPECIFICATION

SAE AMS 3853/1

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Submitted for recognition as an American National Standard

CORD, AROMATIC POLYAMIDE, NONMELTING
100 1b (445 N), 780 ft per 1b (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 1b (445 N) and weight not lower than 780 ft per 1b (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:

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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