

# AEROSPACE MATERIAL SPECIFICATION

Submitted for recognition as an American National Standard



**AMS 3904/2B**

Issued APR 1978  
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Superseding AMS 3904/2A

(R) Yarn, Organic Fiber (Para-Aramid)  
Intermediate Modulus  
400 Denier (440 Dtex), 1.0% Finish

## 1. SCOPE:

### 1.1 Form:

This specification covers one type of organic (para-aramid) fiber in the form of yarn. The product shall be formed as a multiplicity of filaments drawn together and gathered into an approximately parallel arrangement.

### 1.2 Classification:

Organic fiber 400 denier (440 dtex) yarn with 23.7 gpd (209.2 cN/tex) nominal tensile strength and 670 gpd (5915 cN/tex) nominal tensile modulus for use in cables and cordage requiring high tensile strength and moderate modulus of elasticity in tension.

## 2. APPLICABLE DOCUMENTS:

See AMS 3904.

## 3. TECHNICAL REQUIREMENTS:

### 3.1 Basic Specification:

The complete requirements for procuring organic yarn described herein shall consist of this document and the latest issue of the basic specification, AMS 3904.

### 3.2 Properties:

Shall be as follows; no individual value shall be less than 90% of the lot minimum values specified in 3.2.1 and 3.2.2:

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