

SEGMENTS

FM501D, FM509D, FM515B, FM528A, FM521D, FM542

1. SCOPE - Randomly interlocked, metal fiber felts are sintered and rolled to specific thicknesses and densities. Strips cut from the rolled felt are referred to as "segments", which are machined, etc. by the Customer for use in abradable seals and rub strips.

2. COMPOSITION

FM501D - Haynes 25, per AMS 5759; except that carbon content may be $\leq 0.40\%$.

FM509D, FM515B & FM528A - Hastelloy X, per AMS 5754; except that carbon content may be $\leq 0.43\%$.

FM521D - Haynes 188, per AMS 5772; except that carbon content may be $\leq 0.30\%$.

FM542 - FeCrAlY, per Technetics specification

3. MECHANICAL PROPERTIES (Segment)

	<u>Density (%)</u>		<u>UTS (psi)</u>
FM501D	22.0-25.0		1000-2500
FM509D	20.0-22.0		1300-2200 1300-1850 (for P&W only)
FM515B	18.0-20.0		950-1800 1050-1800 (for P&W only)
FM528A	15.0-17.0		700-1300
FM521D	18.5-20.5		1400-2400
FM542	18.0-20.0		900-1700

4. DIMENSIONS/TOLERANCES - Per Customer specification.

* 5. VISUAL - Per customer specification, and must be clean, free of foreign materials and visible imperfections, detrimental to intended usage.

* 6. IDENTIFICATION - Each segment shall be identified with a lot number, together with any other identification required by the Customer.