

**ENDURAFELT™ :
DUST COLLECTION IN
AGGRESSIVE CONDITIONS**

Meta-aramid fibers blended with special acrylic fiber needled on meta-aramid scrim. (Also available with different scrims such as PTFE).

The fiber blend was designed to create an optimal balance between high resistance to corrosion and good mechanical properties (tensile strength) for long life.

In operation, Endurafelt™ retains more of its strength than standard aramid felt (see chart).

**MAIN
CHARACTERISTICS:**

- Operating temperatures up to 200°C (peaks 220°C)
- Good resistance to hydrolysis and oxidizing agents
- Ideal for acid environment
- The new fiber blend does not affect emission levels and operating pressure drops

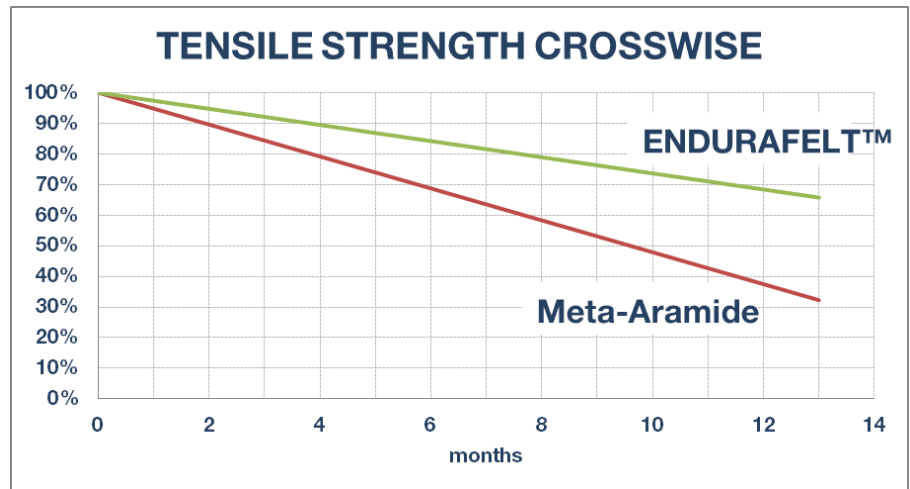
END USES:

Ceramic and chemical production plants, asphalt, foundries and cement clinker cooler.



CASE HISTORY: CERAMIC KILN FUME FILTER

In the presence of strong acids, the filter bags need to maintain high strength; the new Endurafelt™ by Testori preserves higher tensile strength than 100% meta-aramid felts during operation.



CERAMIC KILN, PLANT OPERATION DATA

OPERATION TIME	13 month
NUMBER OF BAGS	576
DIMENSIONS	120 x 2500 mm
FILTRATION SURFACE	576 m ²
FLOW RATE	52000 Am ³ /h
TEMPERATURE	150-180 °C
AIR TO CLOTH RATIO (A/C)	1,5 m/min
ΔP	50 mm/H ₂ O
DUST EMISSION	<2 mg/Nm ³
ACIDS (GLORIDRIC, FLUORIDRIC...)	Hydrochloric and hydrofluoric acids
MOISTURE	<2 %Vol