

## Cryogenic Testing

### 3M™ Nextel™ Woven Tape 312 and 440

Five samples of 3M Nextel Woven Tape 312 and 440 1 inch (2,54 cm) wide were cut to 6 inch (15,2 cm) lengths for testing in liquid nitrogen.

Samples were heat cleaned at 1472°F (800°C) for one hour to remove the sizing before testing.

Samples were placed in liquid nitrogen to soak for three minutes. Samples were then removed and tested for strength retention.

A second set of five samples was dipped into liquid nitrogen ten times and then tested for strength retention.

Sample	Retained Strength	
	Soaked 3 Minutes in N <sub>2</sub>	Dipped 10 Times in N <sub>2</sub>
3M Nextel Tape 312	127%	81%
3M Nextel Tape 440	98%	89%

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