

FCST-Tensile Strength Test Conditions & Test Criteria

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Test Equipment: Universal tensile machine

Standard: IEC60794-1-2 Method E1

Applicable: Micro duct connectors--7mm、10mm、12mm、14mm、16mm、18mm、20mm。
Micro duct endcaps--7mm、10mm、12mm、14mm、16mm、18mm、20mm。
Reducer--12-10mm、14-12mm

1.Test Parameters

1.1.1 Test sample quantity: 6pcs

1.1.2 Ambient temperature: 23℃±3℃

1.1.3 Pre-conditioning: -15℃±2℃ for at least 4 hours and +45℃±2℃ for at least 4 hours

1.1.4 Test tension:

Micro duct connectors, Micro duct endcaps

Size	Tensile force
7MM	≥300N
8MM	≥300N
10MM	≥600N
12MM	≥800N
14MM	≥880N
16MM	≥1000N
18MM	≥1100N
20MM	≥1200N

Reducer

Size	Tensile force
10-7MM	≥300N
12-10MM	≥600N
14-8MM	≥300N
14-12MM	≥800N
16-14MM	≥880N

1.1.5 Test times: 10 min

1.1.6 Microduct extension rate: 100 mm/min

1.1.7 Tensile load: 0.8W and 1.0W (W: microduct weight/km)

1.1.8 Sample quantity: 6 sets

