

Contents

Notice Of Disclaimer	iii
List of Figures	vii
1 Introduction	
1.1 Purpose and Scope	1-1
1.2 Summary of Changes	1-1
1.3 Organization	1-2
2 General Information	
2.1 Description	2-1
2.2 Preparing Stripped Fibers	2-1
2.3 Analysis Criteria	2-1
3 General Requirements	
3.1 Documentation	3-1
3.1.1 Practices	3-1
3.1.2 Work Center Information Package	3-1
3.1.3 Instructions	3-1
3.2 Marking, Packaging, and Shipping	3-2
3.2.1 Marking	3-2
3.2.2 Packaging and Shipping	3-2
3.3 Quality and Reliability	3-2
3.3.1 Product Reliability Audit	3-2
3.3.2 Product Quality Audit	3-3
3.3.3 Initial Product Qualification and Periodic Requalification	3-3
4 Performance Requirements and Objectives	
4.1 General Functional Requirements for Single and Multi-Fiber Strippers	4-1
4.2 Coating Strippability	4-1
4.2.1 Coating Strippability – Single Fiber – 250 μ m Protective Coating	4-1
4.2.2 Coating Strippability – Single Fiber – 900 μ m Buffer Coating	4-3
4.2.3 Coating Strippability – Ribbon and Ribbonized Fibers	4-4
4.3 Fiber Tensile Strength	4-5
4.3.1 Center Strip – Single Fiber – 250 μ m Protective Coating	4-5
4.3.2 End Strip, 250 μ m Protective Coating, 900 μ m Buffer Coating, and Fiber Ribbon.	4-5
4.4 Tool Life	4-7
4.5 Environmental Exposure – Single and Multi-Fiber Strippers	4-7
4.5.1 Storage Environment	4-7
4.5.2 Drop Test	4-7
4.5.3 Vibration and Dust Exposure	4-8

4.5.4 Battery Life – Heat Stripper 4–8

5 Performance Verification/Test Procedure

5.1 Test Program 5–1

5.2 Coating Strippability 5–1

5.2.1 Coating Strippability – 250 µm Protective Coating 5–1

5.2.2 Coating Strippability – 900 µm Buffer Coating 5–1

5.2.3 Coating Strippability – Ribbon and Ribbonized Fiber 5–2

5.3 Fiber Tensile Strength Test 5–3

5.3.1 Center Strip – 250 µm Protective Coating 5–3

5.3.1.1 Pretest Baseline for 250 µm Protective Coating 5–3

5.3.1.2 Tensile Test 250 µm Coated Fiber 5–3

5.3.2 Fiber Tensile Strength Test – End Strip – 250 and 900 µm Fiber 5–4

5.3.2.1 Pretest Baseline – End Strip – 250 µm and 900 µm Fiber 5–6

5.3.2.2 Tensile Test – 250 µm and 900 µm Fiber 5–6

5.3.2.3 Fiber Tensile Strength Test – End Strip – Fiber Ribbon 5–6

5.4 Tool Life Test 5–8

5.5 Environmental Exposure – Single and Multi-Fiber Strippers 5–8

5.5.1 Storage Environment 5–8

5.5.2 Drop Test 5–9

5.5.3 Vibration and Dust Exposure 5–9

5.5.4 Battery Life – Heat Stripper 5–9

Appendix A: References

Related Documents References–1

Requirement-Object Index

List of Figures

Figure 4-1	Minimum Fiber Strip Length – 250 μm Protective Coating	4-2
Figure 4-2	Minimum Fiber Strip Length – 900 μm Buffer Coating	4-3
Figure 4-3	Stripped Ribbon or Ribbonized Fiber	4-5
Figure 5-1	Tensile Testing – Center Strip 250 μm Coated Fiber	5-4
Figure 5-2	Test Fixture – End Strip – 250 and 900 m Coated Fiber	5-5
Figure 5-3	Tensile Testing – End Strip – 250 μm and 900 μm Fiber	5-5
Figure 5-4	Stripped Ribbon Fibers – Card Test Fixture	5-7
Figure 5-5	Tensile Testing Stripped Ribbon Fibers	5-8