

VENDOR SURVEY

COMPANY

CONTACT-

DATE

PROJECT-

EXPERIENCE WITH WET OR PREPREG LAYUP SYSTEMS (check for "yes" results or answer questions)

1.1 Fiber Types E, S, S-2, Kevlar, Graphite, other

1.2 Thickness of Laminates, (in.)

Thin .062-.125

Thick .125-.250

Very Thick .250+

Maximum Thickness ?

1.3 Shear Web/Core

Honeycomb

Aluminum

Nomex

Vinyl Foam

Polyacrylimide

Polyurethane

Syntactic Foam

1.4 Adhesives

Paste, Room Temp Cure

Paste, High Temp Cure

Film

Adhesive Primers

1.5 Prepreg and Resin Systems

Polyester

Vinylester

Epoxy, Type ? Availability ?

Curing System to be Used?

What have they fabricated that is closest to our proposed product in terms of materials?

How many?

2. TOOLING

Design Capability, In House?

Fabrication? Ins-House, Outside?

Type - Metal/Non Metal?

Time Necessary to Build Tool

3. INCOMING RAW MATERIALS TESTS

3.1 General

Is there testing to verify vendor certs?

Is testing done in-house or out?

What testing routinely done?

Fabric or fiber

Resin and hardener

Gel time

Flow

Do you make panels before production commitment?

What tests on panels?

Tension Y/N

Compression Y/N

Resin Content Y/N Density Y/N

Hardness Y/N

4. MATERIAL STORAGE

What is required for resin, hardner, fiber?

How is time of storage known?

System for Traceability?

General Storage Conditions

Orderly? Y/N

Clean? Y/N

Well Lighted? Y/N

Accessible to work area? Y/N

5. LAYUP ROOM

Temperature controlled? Y/N

Humidity controlled Y/N

Temperature recorded? Y/N

How?

General Appearance

Size

Appearance

Cluttered/clean

Usage

Lighting Poor/Good

6. QUALITY CONTROL

Department Reporting to?

Does QA Dept maintain control of the following (if so, How?)

Procurement Y/N

Receiving Inspection Y/N

Incoming Material Testing Y/N

Material Storage

Production

Testing

Packaging/Shipping
Calibration of gages/tools/instruments
Inspection area - General comments
Procedure for discrepant/rejected parts/materials
QA system meets the requirements of what specifications.

7. PRODUCTION CONTROL

Provide document(s) as examples
Show where QC buyoffs occur
Method to assure correct No. of plys and orientation?
Method to assure control of separator plys and peel plys

8. MACHINING

In-house or outside
Capabilities

9. NDT

In-house or outside
Type of testing
Ultrasonic
Radiographic
Tap test
Microwave
Other

10. MATERIALS TEST LAB

Type of equipment
Current QC calibration Y/N
General condition
Test documentation (provide copy)
How are records kept
Any data base for our laminate?
Use of personal computers evident?

11. GENERAL

Past customers/parts
Current (in-house) customers/parts
Any chance that our parts will be delayed because facilities/people are tied up on another, more important project?
Approximate facility size and employment
Areas of experience/expertise
Discussion of Customer's design/schedule
Individuals attending
General comments
Does the vendor have suggestions to simplify design or materials to reduce costs?
What happens when there is a problem?
i.e. 1) part does not cure
2) low values on witness panels
Is vendor prone to delays because of strikes, or regional disturbances?

How does vendor propose to salvage schedule should unforeseen delay occur?