SELECTING A BONDING TAPE

12 TOPICS TO CONSIDER

Selecting a bonding PSA for your application can be an overwhelming process. We are providing you with the 12 topics below to help guide you. We recommend that as you look at your application, you prioritize the factors below into these categories. Doing so will help you to narrow down the options for bonding PSA’s.

- critical / “must-have”
- important
- would be nice
- not important or relevant to my application

PURPOSE
What kind of bond is needed?
Structural bond, assembly aid, temporary bond, high bond?

SURFACES
What are the two surfaces being bonded?
High or low surface energy, surface texture, surface shape?

TEMPERATURE
What is the relative temperature for both short term and long term performance?

PEEL STRENGTH
For the application, is very high, high, medium, or low (removable) 90° peel strength required?

SHEAR STRENGTH
For the application, is very high, high, medium, or low sliding shear strength required?

SOLVENT RESISTANCE
In the application, to what level of contact will the PSA be exposed? Which chemicals at what concentration levels?

RESISTANCE TO UV
What is the level of UV exposure for this application? The range is no exposure to constant exposure.

TAPE THICKNESS
Does the application require a thin bond line? Will it be filling a gap? Will the PSA absorb energy/shock/vibration?

SPECIAL REQUIREMENTS
Are there any other special requirements? Color? Thermally conductive? Electrically conductive? Others?

SPECIFICATIONS
Does the PSA need to meet any specs? UL, ASTM, aerospace, customer specific (automotive), others?

AVAILABILITY
Do lead times and volumes align with the customer’s timelines? Does the material size align with the part requirements?

COST
While cost is always important, we believe you should not start with cost as the primary or most crucial consideration.

PUT MARIAN TO WORK FOR YOU!

Experienced Marian Representatives can help you navigate all of the PSA choices and possibilities, providing samples, data, technical support from manufacturers, prototypes, and assembly recommendations.