

| RESIN | TYPE               | GRADE                       | FIRE RETARDANT | CLASS | FLAME RATING | FLAME SPREAD INDEX | SMOKE DEVELOPED INDEX | STANDARD           |
|-------|--------------------|-----------------------------|----------------|-------|--------------|--------------------|-----------------------|--------------------|
| FFR   | Polyester          | Food                        | Yes            | B     | 35 or Less   | --                 | --                    | ASTM E-84          |
| SFF   | Polyester          | Food                        | Yes            | B     | 30 or Less   | --                 | --                    | ASTM E-84          |
| SGF   | Polyester          | Architectural               | Yes            | A     | 25 or Less   | --                 | --                    | ASTM E-84          |
| SPF   | Polyester          | Industrial                  | Yes            | A     | 25 or Less   | --                 | --                    | ASTM E-84          |
| SPH   | Phenolic           | Industrial/High Temperature | Yes            | A     | 25 or Less   | 10                 | 10                    | ASTM E-84          |
| SVF   | Vinyl Ester        | Chemical                    | Yes            | A     | 25 or Less   | --                 | --                    | ASTM E-84          |
| XVE   | Vinyl Ester        | Chemical/High Flame         | Yes            | A     | 10 or Less   | 10                 | 10                    | ASTM E-84          |
| NFR   | Various Composites | --                          | No             | --    | NFR          | --                 | --                    | Non-Fire Retardant |

- FFR Polyester Resin is food grade and fire retardant (food compatible ingredients are used in the fire-retardant additive), meeting the requirements for a Class B flame rating of 35 or less per the ASTM E-84 Standard.
- SFF Polyester Isophthalic Resin is food grade and fire retardant, meeting the requirements for a Class B flame rating of 30 or less per the ASTM E-84 Standard.
- SGF Polyester Orthophthalic Resin is architectural grade, fire retardant and meets the requirements for a Class A flame rating of 25 or less per the ASTM E-84 Standard.
- SPF Polyester Resin is fire retardant and meets the requirements for a Class A flame rating of 25 or less per the ASTM E-84 Standard.
- SPH Phenolic Resin is extremely fire retardant, meets the requirements for a Class A flame rating of 25 or less per the ASTM E-84 Standard and has a flame spread index and a smoke developed index of 10.
- SVF Vinyl Ester Resin is highly resistant to a wide variety of harsh chemicals, is fire retardant and meets the requirements for a Class A flame rating of 25 or less per the ASTM E-84 Standard.
- XVE Vinyl Ester Resin is highly resistant to a wide variety of harsh chemicals, is extremely fire retardant and meets the requirements for a Class A flame rating of 10 or less per the ASTM E-84 Standard. XVE has a flame spread index and smoke developed index of 10.
- NFR is made of various composites, is not fire retardant and therefore does not have a flame rating per the ASTM E-84 Standard.

