

INDUSTRIAL TECHNICAL BULLETIN

Classifications of Plastic

Thermoset Laminates fall into 3 general classifications

General Purpose Thermosets:

These thermosets are characterized by average mechanical properties, lower resistance to temperature, higher coefficients of thermal expansion and lower costs

- Phenolics
- Amines
- Polyesters

Engineered Thermosets:

These thermosets have higher mechanical properties, higher temperature resistance and are typically more durable with a higher cost.

- Epoxy
- Polyurethane

Specialty Thermosets

These thermosets are useful because of one or more highly specific property which offsets any lack of other "good" properties. They typically have very high performance capabilities across a wide range of applications and carry the highest costs

- Silicones
- Allyls
- High temp thermosets
- Crosslinked thermoplastics

(Handbook of Thermoplastics, Goodman, page 4)