

Ad-Tech Epoxy EL-318-1

Epoxy; Epoxide

Ad-Tech Plastic Systems Corp.

Message:

Ad-Tech Epoxy EL-318-1 is an Epoxy; Epoxide (Epoxy) product. It can be processed by laminating and is available in North America. Applications of Ad-Tech Epoxy EL-318-1 include aerospace and coating applications. Primary characteristic: flame retardant.

| General Information | | | |
|------------------------------|------------------------------|-------------------|-------------|
| Features | Flame Retardant | | |
| | Self Extinguishing | | |
| Uses | Aircraft Interiors | | |
| | Laminates | | |
| Agency Ratings | FAA 14 CFR Part 25.853 App F | | |
| Appearance | Amber | | |
| Forms | Pellets | | |
| Processing Method | Laminating | | |
| Physical | Nominal Value | Unit | Test Method |
| Apparent Density | 1.21 | g/cm ³ | ASTM D1895 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 84 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 17200 | MPa | ASTM D638 |
| Tensile Strength (Break) | 206 | MPa | ASTM D638 |
| Tensile Elongation (Yield) | 4.8 | % | ASTM D638 |
| Flexural Modulus | 9580 | MPa | ASTM D790 |
| Compressive Strength | 74.4 | MPa | ASTM D695 |
| Thermal | Nominal Value | Unit | Test Method |
| CLTE - Flow | 1.2E-4 | cm/cm/°C | ASTM D696 |
| Thermoset | Nominal Value | Unit | Test Method |
| Thermoset Components | | | |
| Hardener | Mix Ratio by Volume: 1.0 | | |
| | | | |
| | | | |
| Resin | Mix Ratio by Weight: 26 | | |
| | Mix Ratio by Weight: 100 | | |
| Resin | | | |
| | Mix Ratio by Volume: 2.9 | | |

| | | | |
|--------------------------------|--------------|-----|------------|
| Pot Life (25°C) | 110 | min | |
| Thermoset Mix Viscosity (25°C) | 3000 | cP | ASTM D2393 |
| Demold Time (25°C) | 4300 to 7200 | min | |

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