

Ad-Tech Epoxy CTC-110

Epoxy; Epoxide

Ad-Tech Plastic Systems Corp.

Message:

Ad-Tech Epoxy CTC-110 is an Epoxy; Epoxide (Epoxy) product. It can be processed by casting, coating, or encapsulating and is available in North America. Applications of Ad-Tech Epoxy CTC-110 include coating applications and decorative parts.

Characteristics include:

- Chemical Resistant
- Good Toughness
- High Gloss
- Moisture Resistant
- Scratch Resistant

| General Information | |
|---------------------|----------------------------|
| Features | Good Chemical Resistance |
| | Good Toughness |
| | High Gloss |
| | Low to No Water Absorption |
| | Scratch Resistant |
| | Stain Resistant |
| Uses | Coating Applications |
| | High Gloss Applications |
| Appearance | Clear/Transparent |
| Forms | Pellets |
| Processing Method | Casting |
| | Coating |
| | Encapsulating |

| Physical | Nominal Value | Unit | Test Method |
|------------------------------|---------------|-------------------|-------------|
| Apparent Density | 1.05 | g/cm ³ | ASTM D1895 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 78 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 2210 | MPa | ASTM D638 |
| Tensile Strength (Yield) | 39.0 | MPa | ASTM D638 |
| Tensile Elongation (Yield) | 4.1 | % | ASTM D638 |
| Flexural Modulus | 1310 | MPa | ASTM D790 |
| Flexural Strength (Yield) | 35.4 | MPa | ASTM D790 |
| Compressive Strength | 62.8 | MPa | ASTM D695 |
| Thermoset | Nominal Value | Unit | Test Method |

Thermoset Components

Mix Ratio by Volume: 1.0

Hardener

Mix Ratio by Weight: 85

Mix Ratio by Weight: 100

Resin

Mix Ratio by Volume: 1.0

| | | | |
|--------------------------------|----------|-----|------------|
| Pot Life (25°C) | 16 to 20 | min | |
| Shelf Life (25°C) | 52 | wk | |
| Thermoset Mix Viscosity (25°C) | 1900 | cP | ASTM D2393 |
| Demold Time (25°C) | 2900 | min | |

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