

Zepoxy REH 281 is a high-performance **polyetheramine curing agent** that provides excellent adhesion, enhanced toughness, flexibility, low color, and superior resistance to thermal shock. With its long working (pot) life, it is well suited for use in epoxy systems, composite manufacturing, electronic applications, and a variety of construction and industrial formulations..

APPLICATIONS

- ✓ Epoxy resin curing systems
- ✓ High-performance protective coatings
- ✓ Structural adhesive formulations
- ✓ Composite matrix resin systems
- ✓ Electrical potting and encapsulation
- ✓ Construction grouts and mortars
- ✓ High-strength casting resin systems

TECHNICAL DATA

| Property | Test Method | Result |
|-------------------------------------------|----------------|--------------------------------------------|
| Appearance | Visual | Clear, colorless to slightly yellow liquid |
| *Color | ASTM D 1544-04 | 2 G max. |
| *Amine value | ASTM D 1652 | 330 - 380 mg KOH/g |
| *Viscosity @ 25°C | ASTM D 2196-05 | 50 - 200 cPs |
| Odor | - | Amine |
| *Density @ 25°C | ASTM D 1475-98 | 0.978 g/cc |
| *AHEW | - | 81 |
| *Mix ratio w/ RER 128 | - | 100 : 42 |
| *Pot life (300g mass) with Zepoxy RER 128 | - | 5 - 6 hrs @ 25°C |
| *Flash Point | ASTM D 93 | >190°C |

*Typical results under laboratory conditions.

CURED SYSTEM PROPERTIES

| Property | Test Method | RESULTS |
|----------------------------------|-------------|----------|
| *Flexural Strength | ASTM D 790 | 77.0 MPa |
| *Compressive Strength - Ultimate | ASTM D 695 | 85.0 MPa |

*Typical results under laboratory conditions.

PACKAGING

Zepoxy REH 281 is available as follows:

1 KG, 5KG, 15KG, and 200KG

HEALTH AND SAFETY

Dispose containers of the materials as per local laws, rules, and regulations. Use gloves, safety masks and other safety apparel as per health and safety laws. For further assistance, please refer to the MSDS of the product for further health and safety information.