

## Abatron AboCast 8503-5/AboCure 8503-5 Colorless Epoxy

Category : Polymer , Thermoset , Epoxy , Epoxy, Cast, Unreinforced

### Material Notes:

AboCast 8503-5/AboCure 8503-5 is a faster hardening, colorless epoxy casting compound used for small castings and decoupage. It is a good choice for small castings, especially for analytical purposes and for small embedments, due to its faster reactivity. Suggested Uses: Transparent Casting, Embedding, Encapsulation, Potting, and Bonding. Casting display or experimental models without the high shrinkage of acrylic or other resins. Precise reproduction of anatomical or scientific models. Embedding organic, geologic, or metallurgic specimens. Encapsulation of electric, radioactive, or delicate components. Preservation or repair of artistic and historical objects. High-performance transparent table tops.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Abatron-AboCast-8503-5AboCure-8503-5-Colorless-Epoxy.php](http://www.lookpolymers.com/polymer_Abatron-AboCast-8503-5AboCure-8503-5-Colorless-Epoxy.php)

| Physical Properties | Metric  | English | Comments |
|---------------------|---------|---------|----------|
| Viscosity           | 1100 cP | 1100 cP |          |

| Mechanical Properties     | Metric   | English   | Comments |
|---------------------------|----------|-----------|----------|
| Hardness, Shore D         | 81       | 81        |          |
| Tensile Strength at Break | 56.5 MPa | 8200 psi  |          |
| Elongation at Break       | 15 %     | 15 %      |          |
| Flexural Strength         | 77.9 MPa | 11300 psi |          |

| Thermal Properties               | Metric  | English | Comments                        |
|----------------------------------|---------|---------|---------------------------------|
| Maximum Service Temperature, Air | 50.0 °C | 122 °F  | Deflection Temp at unknown load |

| Optical Properties    | Metric | English | Comments                              |
|-----------------------|--------|---------|---------------------------------------|
| Transmission, Visible | 90 %   | 90 %    | transparent; thickness not quantified |

| Processing Properties | Metric                         | English                        | Comments |
|-----------------------|--------------------------------|--------------------------------|----------|
| Pot Life              | 30 min<br>@Temperature 25.0 °C | 30 min<br>@Temperature 77.0 °F | 500 g    |

| Descriptive Properties | Value  | Comments |
|------------------------|--------|----------|
| Hardening Time (min)   | 60-480 |          |
| Parts by Weight (pbw)  | 100    | AboCast  |
|                        | 80     | AboCure  |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
|------------------------|-------|----------|

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China