

**Abatron AboCast 8503-6/AboCure 8503-6 Colorless Epoxy**

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

**Material Notes:**

AboCast 8503-6/AboCure 8503-6 is a slow hardening, colorless epoxy casting compound with low viscosity used for larger castings. It allows for large castings and offers low viscosity for bubble-free casting because of its low viscosity and slow reactivity. Its low exotherm also allows embedding of heat-sensitive specimens. 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-8503-6AboCure-8503-6-Colorless-Epoxy.php](http://www.lookpolymers.com/polymer_Abatron-AboCast-8503-6AboCure-8503-6-Colorless-Epoxy.php)

Physical Properties	Metric	English	Comments
Viscosity	200 cP	200 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	
Tensile Strength at Break	62.7 MPa	9100 psi	
Elongation at Break	14 %	14 %	
Flexural Strength	62.7 MPa	9100 psi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	47.0 °C	117 °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	210 min @Temperature 25.0 °C	210 min @Temperature 77.0 °F	500 g

Descriptive Properties	Value	Comments
Hardening Time (min)	240-1080	
Parts by Weight (pbw)	100	AboCast
	40	AboCure

Descriptive Properties	Value	Comments
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## 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