

## Uniseal BETABRACE™ 85002 Epoxy

Category : Polymer , Thermoset , Epoxy

### Material Notes:

BETABRACE™ 85002 is a composite used for reinforcing sheet metal. It is composed of a high temperature curing tacky polymer, woven glass fabric, and release paper. BETABRACE™ 85002 provides adhesion to primed metal and also adheres to oily galvanized and cold rolled steel without a primer. BETABRACE™ 85002 can be supplied in many different shapes and thicknesses for specific reinforcement applications. Information provided by Dow

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Uniseal-BETABRACE-85002-Epoxy.php](http://www.lookpolymers.com/polymer_Uniseal-BETABRACE-85002-Epoxy.php)

Physical Properties	Metric	English	Comments
Density	0.752 g/cc	0.0272 lb/in <sup>3</sup>	Polymer Cured Physical Property

Mechanical Properties	Metric	English	Comments
Modulus of Elasticity	1.47 GPa	213 ksi	Polymer Cured Physical Property
Poissons Ratio	0.11	0.11	Polymer Cured Physical Property
Shear Modulus	0.662 GPa	96.0 ksi	Calculated

Thermal Properties	Metric	English	Comments
Flash Point	>= 204 °C	>= 400 °F	

Processing Properties	Metric	English	Comments
Cure Time	10.0 min @Temperature 171 °C	0.167 hour @Temperature 340 °F	

Descriptive Properties	Value	Comments
Flexural Reinforcement Force N	29	2mm deflection; 1.3mm thick; After 500 hrs @ 200°F
	32	2mm deflection; 1.9mm thick; After 500 hrs @ 200°F
	37	2mm deflection; 1.3mm thick; After 14 days @ 190°F
	37	2mm deflection; 1.3mm thick; After 500 hrs @ 100°F & 100% RH
	38	2mm deflection; 1.3mm thick; Initial
	54	2mm deflection; 1.9mm thick; After 500 hrs @ 100°F & 100% RH
	57	2mm deflection; 1.9mm thick; Initial

Descriptive Properties	57 Value	2mm deflection; 1.9mm thick; After 14 days @ 190°F Comments
Max Load N	180	1.3mm thick; 21mm max deflection
	225	1.9mm thick; 18mm max deflection

## Contact Songhan Plastic Technology Co.,Ltd.

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