

Epibond[®] 1565 A/B Epoxy Adhesive

Product Description

Epibond[®] 1565 A/B epoxy adhesive has excellent properties at high temperatures. It is thixotropic and exhibits negligible sag when applied to vertical surfaces. Epibond[®] 1565 A/B bonds well to metals, wood products, ceramics, glass, most plastics, rubber and many other materials.

Features

- High temperature adhesive
- Long work life
- Thixotropic paste

Typical Properties*

Property	Test Method	1565 A Resin	1565 B Hardener	Mixed System
Appearance	Visual	Translucent	Dark amber	Dark amber
Density at 25°C, g/cm ³	ASTM D792	1.22	1.00	1.20
Viscosity at 25°C, cP	ASTM D2196	30,000	--	25,000

*Properties are based on Huntsman test methods. Copies are available upon request.

Processing

Mix Ratio

Product	Parts by weight
Epibond [®] 1565 A Resin	100
Epibond [®] 1565 B Hardener	40

Mix both components thoroughly for several minutes until a homogeneous mixture is obtained. Material temperatures should be above 18°C (65°F) when mixing.

Processing Data

Parameter	Value
Work life, 100 g at 25°C, h	12
Typical cure cycle	2 - 5°F/min ramp to 200°F + 3 h at 200°F + 2 - 5°F/min ramp to 350°F + 1 h at 350°F

Typical Physical Properties

Unless otherwise stated, the data were determined with typical production batches using standard test methods. They are typical values only, and do not constitute a product specification.

Property	Test Method	Value
Tensile lap shear strength, psi (MPa)	ASTM D1002	1000 (6.9)
Compressive strength as cured at 77°F, psi (MPa)	ASTM D695	20,000 (138)
Compressive modulus as cured at 77°F, psi (MPa)	ASTM D695	380,000 (2621)

Storage

Epibond® 1565 A/B should be stored in a dry place in the original sealed containers at temperatures between 2°C and 8°C (36°F and 46°F). After use, tightly reseal containers. Under these storage conditions, and when supplied under Huntsman standard certification, the product has a shelf life of **1 year** (from date of manufacture). The product should not be exposed to direct sunlight.

Precautionary Statement

Huntsman Advanced Materials Americas LLC maintains up-to-date Safety Data Sheets (SDS) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Users should review the latest MSDS to determine possible health hazards and appropriate precautions to implement prior to using this material.

First Aid!

Refer to SDS as mentioned above.

KEEP OUT OF REACH OF CHILDREN

FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

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