

Technical Data Sheet Tuffbond™ 55851

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Product Description

Hernon[®] **Tuffbond**[™] **55851** is a low-viscosity, industrial grade epoxy adhesive. Once mixed, the two-part epoxy cures at room temperature with minimal shrinkage and forms an ultra clear adhesive bondline with excellent impact resistance. When fully cured, the epoxy withstands exposure to a wide range of chemicals and solvents, and has excellent dimensional stability over a wide temperature range.

Typical Applications

Designed for bonding, small potting, staking and laminating applications where optical clarity and excellent structural, mechanical, and electrical insulating properties are required. Bonds most materials including glass, optical fibers, ceramics, metals, and many rigid plastics.

Typical Properties (Uncured)

Property	Part A	Part B
Base	Epoxy	Amine
Appearance	Clear	Clear-pale yellow
Viscosity at 25°C, cP	4700	2300
Mix Ratio by Volume	2	1
Specific Gravity	1.16	1.01
Flash Point	See MSDS	See MSDS

Typical Properties (Cured)

Property	Value
Working Life at 22°C (35g), minutes	30
Full Cure at 22°C (35g), minutes	120

General Information

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

Storage

Tuffbond[™] **55851** should be stored in a cool, dry location in unopened containers at a temperature between 46°F to 82°F (8°C to 28°C) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused material, do not return any material to its original container.

Dispensing Equipment

Hernon[®] offers a complete line of semi and fully automated dispensing equipment. Contact **Hernon**[®] **Sales** for additional information.

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