



UR2187 A&B DATA SHEET

November 2012

Electronic Materials Potting Compound

Material Description

UR2187 A/B is a two-component urethane material that cures at room temperature. The material is certified by NSF to NSF/ANSI standard 61.

This material is recommended for bonding and potting to achieve very good bond to a variety of substrates including polycarbonates, acrylics and many metals.

Features & Benefits

- Does not leach any contaminants.
- Designed for use with automated dispense systems.
- Low viscosity allows easy degassing
- Room temperature curing, no heat required
- 100% solids contains no solvents
- Easy to use 2:1 mix ration by volume
- Low exotherm
- Soft durometer optimal for SMT assemblies.
- Good hydrolytic stability

Mixing

UR2187 A/B material can be mixed by hand or with automated dispense systems. HB Fuller recommends automated dispensing to reduce air entrapment.

Please consult your HB Fuller technical representative for additional recommendations.

Typical Uncured Properties

Property	Part A	Part B	Blend
Color	Amber	Amber	Amber
Specific gravity	0.96	1.21	1.05
Viscosity, cps	750	1,000	900
Mix ratio by weight	100	62.5	
Mix ratio by volume	100	50	

Typical Cured Properties

Property	ASTM Test Method	Value
Hardness, Shore A	D-2240	90
Elongation at break, %	D-0412	180%
Tensile strength, psi	D-0412	2,000
Gel time @ 25°C, 177ml		60 minutes
Working pot life after mixing @ 25°C (100g)		45 minutes



TECHNICAL DATA SHEET

Curing Profile

Full cure physical properties are normally attained after 7 days at room temperature (25°C). Cure can be accelerated by heating the material for 4 hours at 65°C. Allow additional time for parts to warm to curing temperature.

Contact your H.B. Fuller technical representative for additional cure time recommendations.

Storage & Shelf Life

UR2187 A/B should be stored in a cool, dry place. Shelf life is a minimum of one year in original unopened containers when stored at 25°C. If compound is below 16°C, warm to 25°C before opening. Purge opened containers with dry nitrogen inert blanketing gas before resealing.

Clean Up

Equipment, brushes, and spillage can be cleaned promptly after use with a mixture of anhydrous isopropyl alcohol and acetone that should be discarded after each use.

Health & Safety Precautions

Please see the Material Safety Data Sheet (MSDS) for proper handling and disposal instructions.

Note

The values noted in this data sheet are typical properties only and are not intended to be used as material specifications.

For assistance in writing a material specification please contact H.B. Fuller Company.

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