

20-2183 POLYURETHANE POTTING & ENCAPSULATING RESIN

DESCRIPTION:

This polyurethane is engineered for electronic potting, encapsulating, and casting applications. It is low in viscosity, low in toxicity and available in the popular TriggerBond® dual barrel cartridge dispensing system. This elastomeric system is suitable for a variety of electronic insulating applications. A key feature of this product is the quick demolding time of 1 Hour for encapsulating or casting. 20-2183 is a faster gelling version of 20-2180.

GREEN:

The base Natural Oil Polyol (NOP) used in this system is obtained directly from a plant source without chemical modifications. Using renewable resources, such as NOP's, will reduce the demand on non-renewable fossil fuels and reduce the overall production of carbon dioxide.

FEATURES:

1 Hour Demolding

Green

- Low Viscosity
- Available in TriggerBond®
- Low Durometer
- Moisture Resistant
- Low Shrinkage & Exotherm

BENEFITS:

Need fewer molds for production

Reduce demand on non-renewable fossil fuels

Quick self leveling around components

Easy to use packaging

Low stress on components & vibration resistant

Can be used in wet environments

Less stress to components during cure

TYPICAL PROPERTIES:

	<u>20-2183</u>	<u>20-2180</u>
Color	Black	Black
Hardness, Shore A	80	80
Viscosity, 25°C, cps		
Polyol Resin	2,200	2,200
Isocyanate	1,500	1,500
Mixed	1,700	1,700
Specific gravity @ 25°C Resin		
Polyol Resin	0.97	0.97
Isocyanate	1.15	1.15
Mix Ratio (Iso:Polyol)		
By Volume	1:2	1:2
By Weight	60:100	60:100

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TYPICAL PROPERTIES (continued):

80
1
(10 ⁻⁴
+125
014
(10 ¹⁵

Note: When cured at room temperature full hardness and final properties are achieved in 7-10 days.

INSTRUCTIONS FOR USE:

- 1. Weighing & mixing is not necessary when using TriggerBond® cartridges. Follow the instructions for dispensing with TriggerBond® cartridges.
- 2. Cure according to one of the following cure schedules:

<u>20-2183</u>	<u>20-2180</u>
25°C - 1 Hour	25°C - 24 Hours
65°C - 20 Minutes	65°C - 1.5 Hours

STORAGE & HANDLING & SAFETY:

Store cartridges at 75-85°F. Avoid exposure to moisture or humidity. Carefully read Safety Data Sheets before using.

AVAILABILITY:

This product is available in the convenient TriggerBond® dual barrel cartridges (50ml, 200ml & 400ml).

IMPORTANT:

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