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**Type** Blocked aliphatic polyisocyanate based on hexamethylene diisocyanate

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## Features

- # Good curability
  - # Excellent weatherability
  - # Good storage stability
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## Applications

- # One-component applications
  - # Top coat for automotive OEM
  - # Primer for automotive OEM
  - # Coatings for anticorrosive plate
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## Typical properties

Appearance	Colorless to slightly yellowish clear liquid
Non-volatile	80 wt%
Solvent	Ethyl acetate
Blocked NCO content	12.5 wt%
Viscosity	1,800 mPa · s at 25°C
Color value	< 1 (Gardner)
NCO equivalent weight	Approx. 336
Flash point	11°C (Seta Closed-cup)
Relative density	1.09(20 °C) (H2O = 1)

These values provide general information and are not part of the product specifications.

**Compatibility**

<u>With polyols</u>		<u>Resin solution</u>	<u>Dried film</u>
Acrylic	Setalux 1184(*)	+	+
	Setalux 1767(*)	+	+
	A801	+	+
Polyester	Setal 90173(*)	+	+

+ ; Soluble, ~ ; Insoluble      + ; Transparent, ~ ; Hazy

(\*)Nuplex Resins (ex-Akzo Nobel Resins' product)

Mixing ratio of DURANATE™ TPA-B80E with polyols is based on NCO/OH equivalent ratio of 1/1.

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**Curing properties**

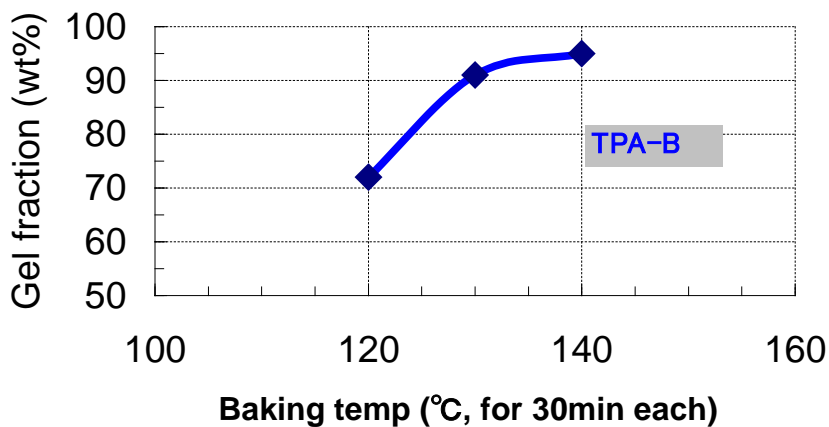
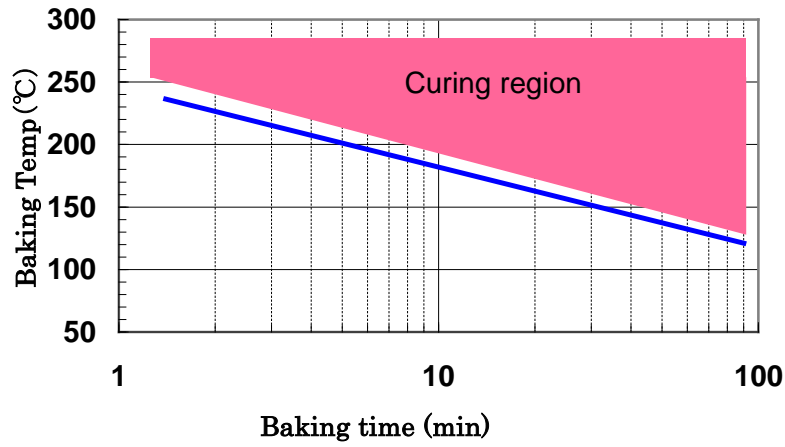


Fig-1. Curing properties of DURANATE™ TPA-B80E with Acrylic polyol

**Cure-Window**



**Fig-2. Cure Window of DURANATE™ TPA-B80E with Acrylic polyol**

Test conditions; Acrylic polyol; OHV=100 per resin  
 NCO/OH ratio ;1.0  
 DBTL; 0.1 wt% per solid

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