

Type Blocked aliphatic polyisocyanate based on hexamethylene diisocyanate

Features

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

Applications

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

Typical properties

Appearance	Colorless to slightly yellowish clear liquid
Non-volatile	80 wt%
Solvent	Xylene 20 wt%
Blocked NCO content	12.5 wt%
Viscosity	4,800 mPa · s at 25°C
Color value	< 1 (Gardner)
Flash point	30.8°C (Seta Closed-cup)

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-B80X with polyols is based on NCO/OH equivalent ratio of 1/1.

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

Curing properties

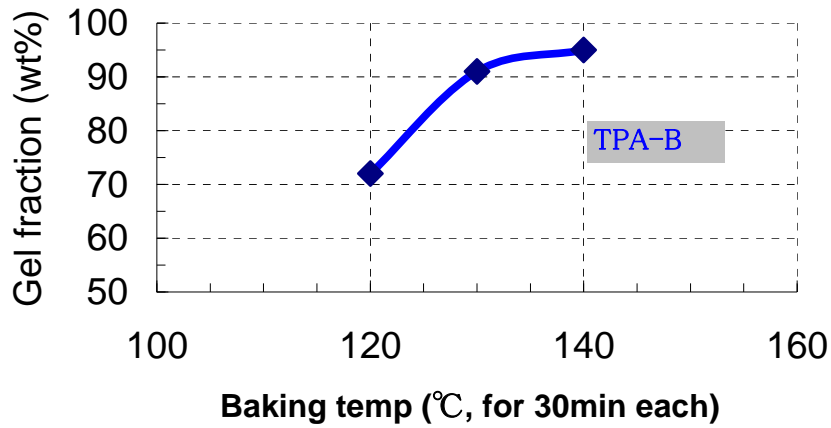


Fig-1. Curing properties of DURANATE™ TPA-B80X with Acrylic polyol

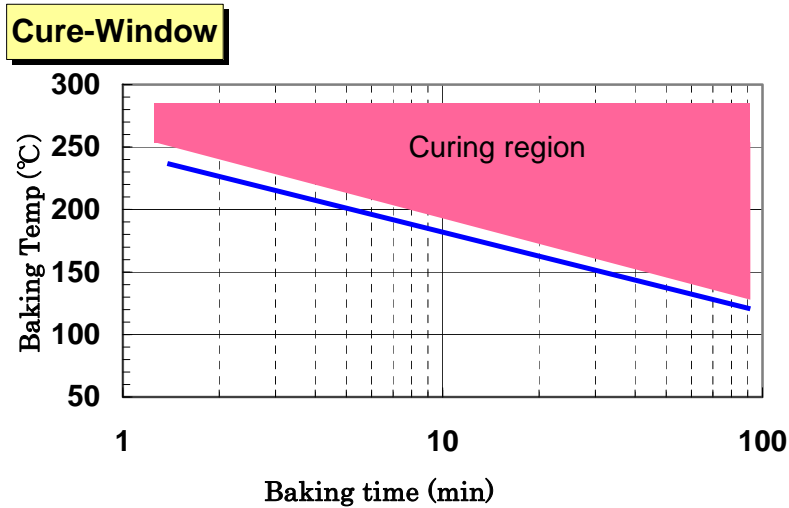


Fig-2. Cure Window of DURANATE™ TPA-B80X with Acrylic polyol

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

For further information:

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