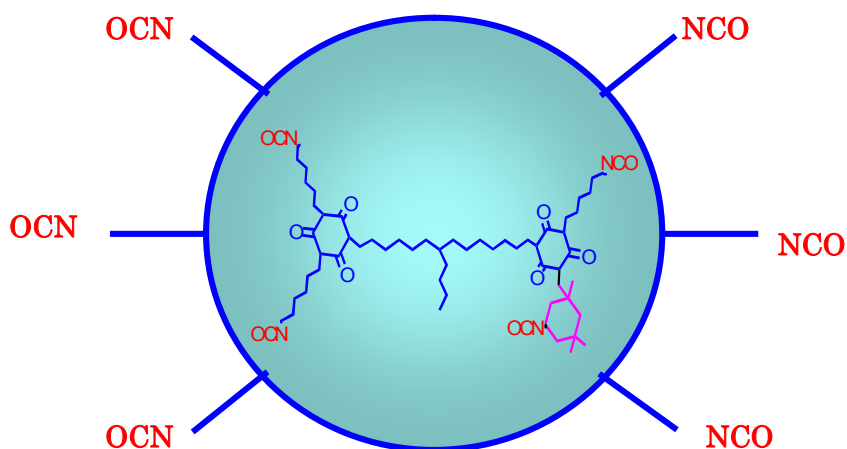


Type Aliphatic polyisocyanate based on hexamethylene diisocyanate



Features

- # Multi-functional
- # Good curability (Fast-drying)
- # High hardness
- # Excellent weatherability
- # High cross-linking density

Applications

- # Two-component applications
- # Automotive OEM coatings; top clear coat
- # Automotive refinish coatings
- # Plastic coatings
- # Automobile, motorcycle; top coat

Typical properties

Appearance	Colorless to slightly yellowish clear liquid
Non-volatile	80 wt%
Solvent	Butyl acetate
NCO content	15.1 wt%
Viscosity	900 mPa · s at 25°C
Color value	< 1 (Gardner)
NCO equivalent weight	Approx. 280

Compatibility

<u>With Polyols</u>		<u>Resin solution</u>	<u>Dried film</u>
Acrylic	Setalux 1152(*)	+	+
	Setalux 1184(*)	+	+
	Setalux 1198(*)	+	+
	Setalux 1199(*)	+	+
	Setalux 1767(*)	+	+
	Setalux 1903(*)	+	+
Polyester	Setal 166(*)	+	+

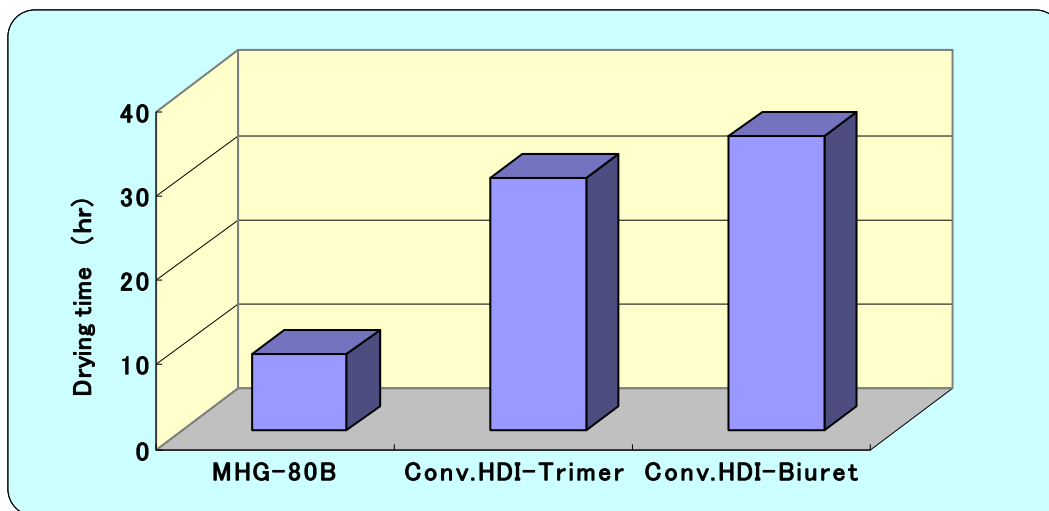
+ ; Soluble, ~ ; Insoluble + ; Transparent, ~ ; Hazy

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

Mixing ratio of DURANATE™ MHG-80B with polyols is based on NCO/OH equivalent ratio of 1/1.

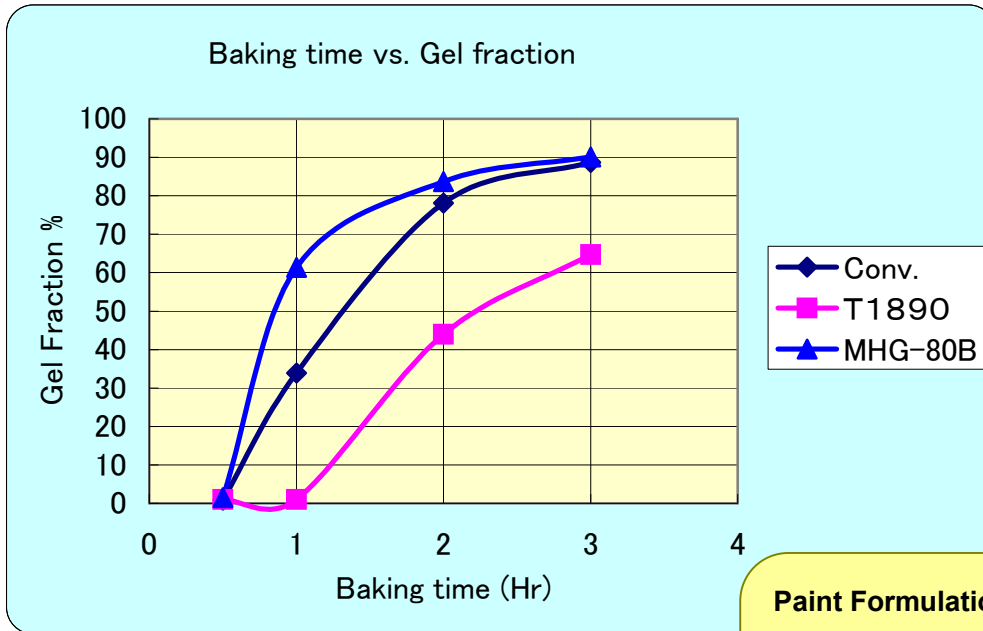
These values provide general information and are not part of the product specifications.

Fast drying—1



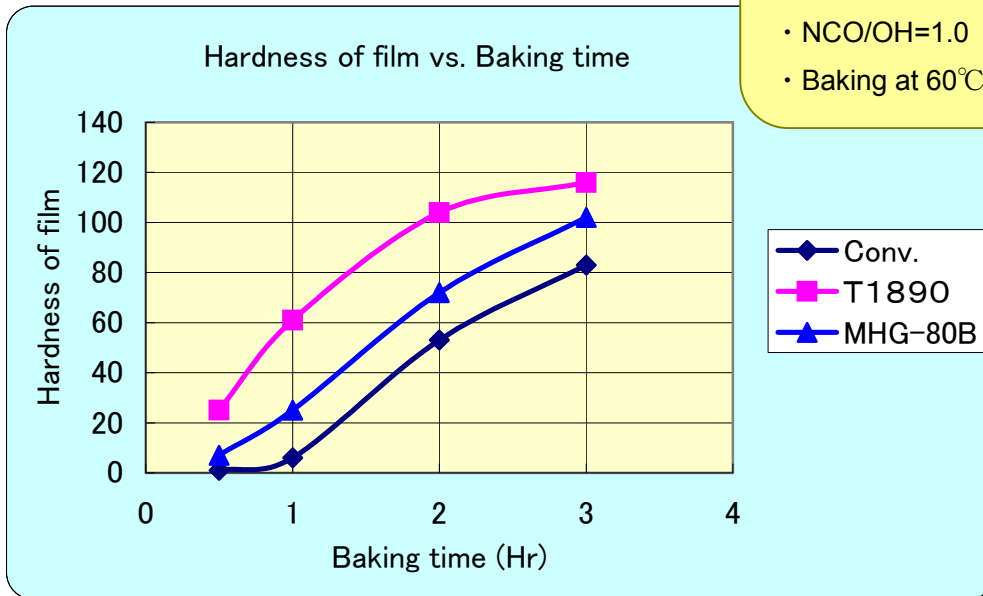
- Drying rate : Time from application to visual observation of no surface marks left by contact with 5-layer gauze under 100-g load for 1min.
- Polyol : Acrylic A801(Dainippon Ink & Chemicals, Inc.)
- NCO/OH=1.0
- Drying : 20°C, 65%RH

Fast drying—2 (High gel fraction & High hardness of film cured with MHG-80B)



Paint Formulation

- Polyol:Acrylic polyol, Nuplex Setalux 1903
- NCO/OH=1.0
- Baking at 60°C



*Conv. ; Conventional HDI-Trimer

*T1890 ; IPDI-Trimer (Degussa product)

High Curability and High Hardness of film cured with MHG-80B

For further information:

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