

HDI closed AsahiKasei TPA-B80X

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 products specifications.

Curing properties:

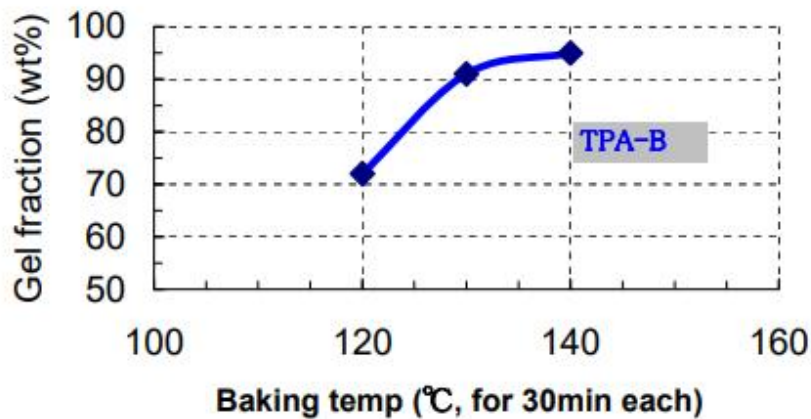


Fig-1. Curing properties of DURANATE™ TPA-B80X with Acrylic polyol

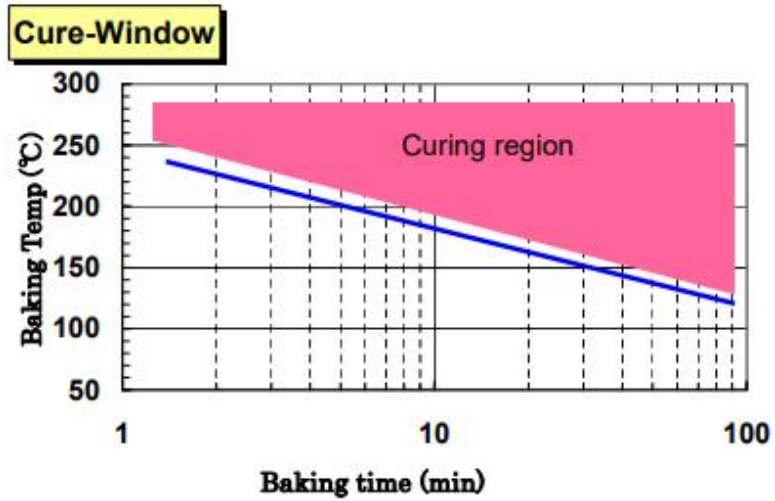


Fig-2. Cure Window of DURANATE™ TPA-B80X with Acrylic polyol

Test conditions:Acrylic polyol; OHV=100 per resin

NCO/OH ratio ;1.0

DBTL; 0.1 wt% per solid

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