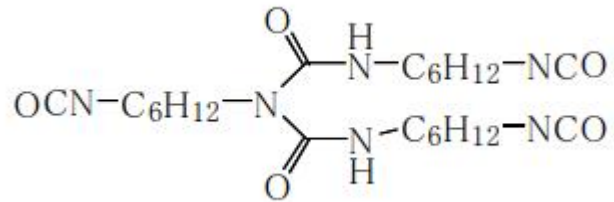


## HDI Diourea AsahiKasei 22A-75PX

**Type :**

Aliphatic polyisocyanate (HDI Biuret)



**Features:**

- # Good coated film appearance
- # Good adhesion
- # Good weather resistance

**Applications:**

- # Two-component applications
- # Plastic coatings
- # Auto refinish coatings
- # Automobile, motorcycle; base coat and top coat# Heavy duty coatings

**Typical properties:**

Appearance	Colorless to slightly yellowish clear liquid
Non-volatile	75 wt%
Solvent	Methoxypropylacetate (PMA)Xylene=1/1
NCO content	16.5 wt%
Viscosity	210mPa .s at 25°C
Color value	<1 (Gardner)
NCO equivalent weight	Approx.254
Flash point	39°C
Density at 20°C	1.07

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

**Stability / thinnability:**

DURANATE™ 22A-75PX can be thinned with esters, ketones and aromatic hydrocarbons such as ethyl acetate, butyl acetate, methoxy propylacetate (PMA), methyl ethyl ketone, methyl-butyl ketone, cyclohexanone, toluene, xylene, Solvesso#100 and mixture thereof. Generally speaking, it has good compatibility with the solvents mentioned. However, the solutions formed must be tested for their storage

stability.

Only PU grade solvents can be used (max. 0.05% water, absence of reactive groups such as hydroxyl or amine groups). Aliphatic hydrocarbons such as hexane, cyclohexane, methylcyclohexanes and mineral spirits, are unsuitable as solvents because of their poor solubility.

Aromatics	Toluene Xylene Solvesso#100	+ + +
Esters	Ethyl acetate n-Butyl acetate	+ +
Ketones	Methyl ethyl ketone Methyl iso-butyl ketone	+ +
Ether-esters	Methoxypropylacetate (PMA)	+
Aliphatics	Cyclohexane Methylcyclohexane Mineral spirit	~ ~ ~

+ ; Soluble, ~ ; Insoluble

DURANATE™ 22A-75PX should not be thinned to below a solid content of 40%. Prolonged storage of solution with lower solid content may result in turbidity and sedimentation.

### Compatibility:

<i>With polyisocyanates</i>		<u>Resin solution</u>
DURANATE™	24A-100	+
	21S-75E	+
	TPA-100	+
	TPA-90SB	+
	TKA-100	+
	MFA-75B	+
	TSA-100	+
	TSS-100	+
	TSE-100	~
	E402-90T	+
	E405-80T	+
D101	+	
D201	+	
VESTANAT	T1890L	+
	T1890E	+
Desmodur	Z4470	+

+ ; Soluble, ~ ; Insoluble

<i>With polyols and other resins</i>		<u>Resin solution</u>	<u>Dried film</u>
Acrylic	A801	+	+
	A801-P	+	+
	A851	+	+
	50-257	+	+
Halwemer	F-45	+	+
Hypomer	FX-2050	+	+
	FX-3070	+	+
Setalux	1198	+	+
	1753	+	+
Lumiflon	LF-100	+	+
	LF-200	+	+
	LF-400	+	+

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

Mixing ratio of DURANATE™ 22A-75PX with polyols is based on N CO/OH equivalent ratio of 1/1 .

#### **Storage:**

DURANATE™ 22A-75PX is sensitive to moisture and should therefore always be stored in sealed containers.

## Characteristics of viscosity

### 1. Solid vs. Viscosity

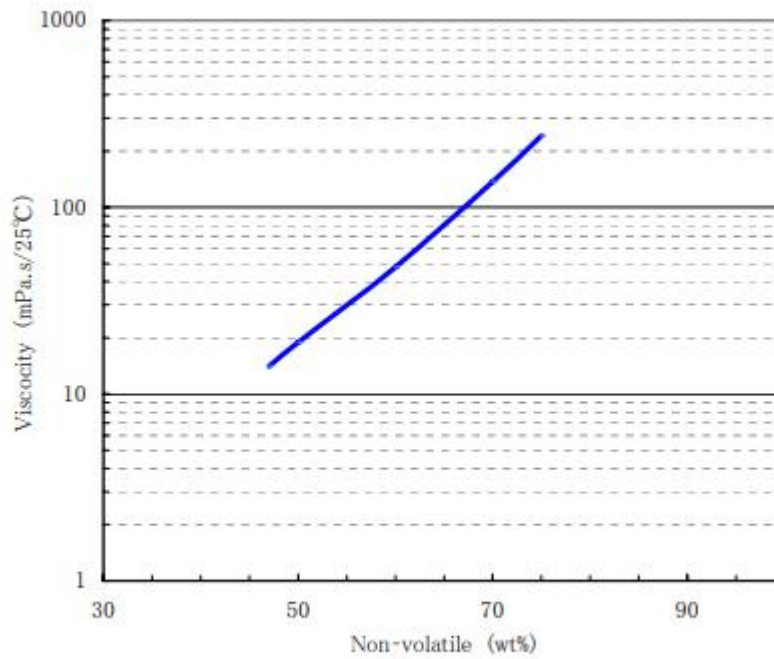


Fig-1. Dilution behavior of DURANATE™ 22A-75PX

### 2. Temperature vs. Viscosity

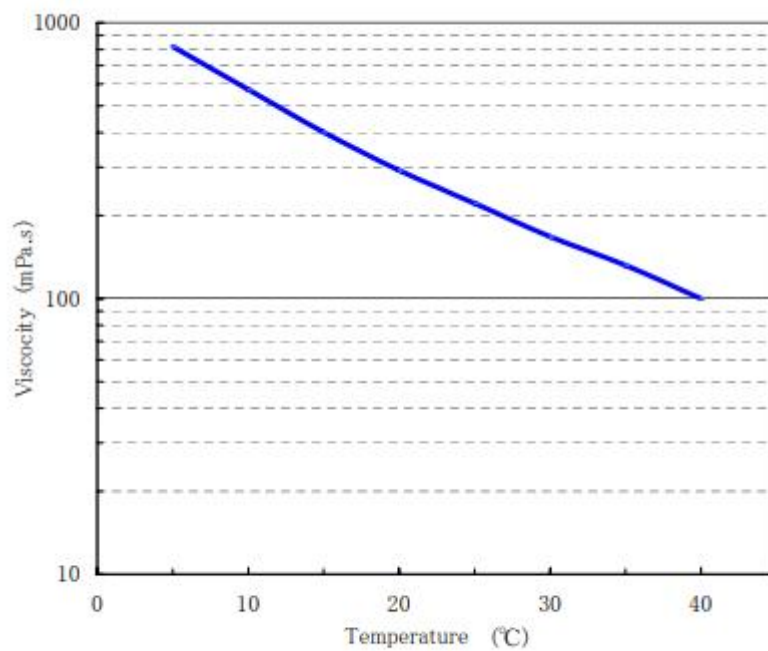
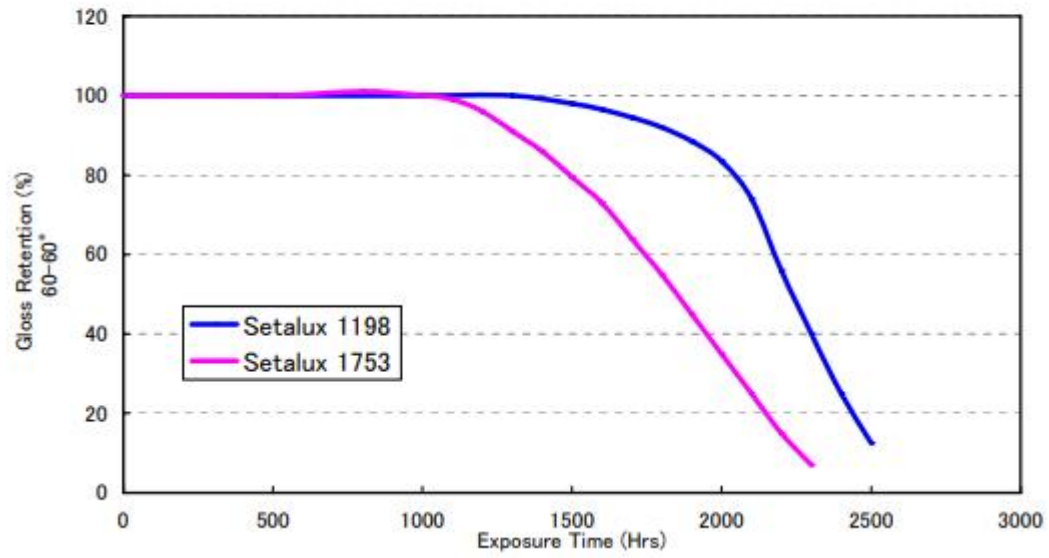


Fig-2. Temperature behavior of DURANATE™ 22A-75PX

## Weatherability

**Weatherability by Super-Xenon Weathermeter**



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