

# 25-1370 (AEKYUNG AHW-2000) ALIPHATIC POLYISOCYANATE

TECHNICAL DATA SHEET

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## **APPLICATIONS**

#### Adhesives

Polyurethanes requiring lower VOC

Polyurethanes requiring improved weathering

Crosslinking agent for aqueous polyol binders

#### DESCRIPTION

25-1370 is an aliphatic polyisocyanate based on HDI trimer. It is supplied at 100% solids and has a lower viscosity versus other solvent-free aliphatic polyisocyanates.

25-1370 can be formulated in aqueous clear and pigmented two component urethane systems. These systems will provide excellent weathering, chemical and abrasion resistance. Because 25-1370 is based on HDI trimer, it will usually offer better weathering performance versus biuret based products. In addition due to its low viscosity, the 25-1370 is ideal for high solids coatings and can also be used in aqueous two component polyurethane systems.

#### **SOLUBILITY AND COMPATIBILITY**

25-1370 is completely soluble in xylene, toluene, ethyl acetate and butyl acetate.

25-1370 can be blended with a variety of other aliphatic and aromatic polyisocyanates. It also has good compatibility with many hydroxyl functional polymers such as polyesters, polyacrylates and polyethers.

### **KEY BENEFITS**

Abrasion resistance

Chemical resistance

High NCO content

Weather resistance

#### TYPICAL PROPERTIES

% Solids 100

 Viscosity @ 25°C (mPa.s)
 2,600- 3,600

 Color (APHA)
 40 maximum

 % NCO Content
 17.0 - 18.0

 % Free Monomer
 0.5 maximum

Equivalent Weight (Total Weight) 240 Weight Per Gallon @ 25°C 9.26



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