

25-1360 (AEKYUNG AH-2200) ALIPHATIC POLYISOCYANATE

TECHNICAL DATA SHEET

PAGE 1 OF 1

APPLICATIONS

Adhesives

Automotive refinish and OEM

Heavy duty protective coatings

Plastic Coatings

Polyurethanes requiring lower VOC

Polyurethanes requiring improved weathering

DESCRIPTION

25-1360 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.

25-1360 can be formulated in clear and pigmented two component urethane systems. These systems will provide excellent weathering, chemical and abrasion resistance. Because 25-1360 is based on HDI trimer, it will usually offer better weathering performance versus biuret based products. In addition due to its low viscosity, the 25-1360 is ideal for high solids coatings and can also be used in aqueous two component polyurethane systems.

SOLUBILITY AND COMPATIBILITY

25-1360 is completely soluble in xylene, toluene, ethyl acetate and butyl acetate.

25-1360 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) 900 -1900

Color (APHA) 40 maximum

% NCO Content 23.0 - 24.0

% Free Monomer 0.5 maximum

Equivalent Weight (Total Weight) 179 Weight Per Gallon @ 25°C 9.43



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