

25-1360 (AEKYUNG AH-2200) ALIPHATIC POLYISOCYANATE

TECHNICAL DATA SHEET

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