

HD-1020

Special silane-modified hexamethylene diisocyanate

INTRODUCTION

Applications: HD-1020 is a specially modified silane isocyanate curing agent with the yellowing resistance, weather resistance, and solvent resistance of aliphatic HDI, making it suitable for use in the aerospace, automotive, and construction industries. High-grade coatings made from it offer advantages such as vibrant colors, UV resistance, non-yellowing, and good hardness. Silane modification significantly improves the coating's adhesion to special materials and its long-term stability. It also provides positive effects in resisting harsh conditions such as humid heat, salt spray, and chemical corrosion.

TYPICAL VALUES

外观	transparent liquid
粘度 (cPs)	200
分子量 (GPC)	150
熔点℃	-62
沸点℃	269
折射率	1.451
密度 g/cm ³	1.05
NCO	20

APPLICATION

Coating Applications: Applied to two-component 2K systems, in high-end coatings, the combination of silane and raw materials not only improves dry film adhesion but also maintains the long-term stability of wet film.

UV inks: In ink systems containing pigments and fillers, they combine the crosslinking function of isocyanates with excellent pigment wetting properties.

INTERMISCIBILITY

Monomer: Miscible with various common monomers.

Solvent: High-purity organic solvents with a water content of less than 0.5% are recommended.

packing: 25kg Each barrel

More detailed application references and MSDS are available upon request.