

Blocked isocyanate hardener/curing agent DOXU-2160

Product Features :

A closed isocyanate curing agent based on IPDI, specifically designed for high hardness and light resistance single component polyurethane baking paint systems. Can be compatible with polyols containing hydroxyl functional groups, suitable for light resistant single component polyurethane baking paint systems, especially suitable for the fields of coil steel and canned coating; At the same time, it can be used as an additive in traditional baking formulas to enhance coating adhesion and flexibility.

Application scope:

Suitable for coil steel coatings, canned coatings, and traditional baking paints, especially suitable for food industry packaging coatings, and can meet food contact related compliance requirements such as GB 4806.10-2025 and FDA 21 CFR 175.

Product Parameters :

Product Indicator	Product parameter	Unit	Test Method
Appearance	Water white to slightly yellow transparent mucus	/	GB/T 1721-2008
(Fe Co) color number	≤2	/	GB/T 1722-1992
NCO content (closed)	7.7±0.5	%	Di-n-butylamine method
Free monomer	≤0.2	%	GB/T 18446-2009
Solid content	60.0±2.0	%	GB/T 1725-2007
Viscosity (25 °)	2000±500	mPa·s	GB/T 9751.1-2008
Release temperature	130 - 140	°C	/

Instructions for Use:

1. This product can use esters, ketones, ether esters, ether alcohols, aromatic hydrocarbons, and solvents such as Solvesso ® Dilute 100, 150 ND, and 200 ND diluents to 35% solids. This product cannot be diluted with fatty hydrocarbons. The compatibility and stability of the diluted solution need to be tested.
2. Storing at higher temperatures can lead to an increase in color and viscosity. Storing at lower temperatures can cause solidification. The solidified body can be reduced by slight heating without affecting its quality.

Packaging and Storage:

1. 10KG, 20KG, 60KG, 200KG iron drums or customized by customers.
2. This product must be stored in a cool and dry environment, avoiding outdoor placement. In sealed packaging, the shelf life is 9 months.

Disclaimers :

This product manual is written by our company using advanced testing equipment based on actual testing and production experience. However, the differences in working environment and material coordination during product application are beyond our company's control. Therefore, our company recommends that

users conduct tests, experiments, and trials according to their actual needs and purposes before using this product. Our company does not assume any losses or risks for users using this product due to this manual.