Product Data Sheet

PU ISO 125

Introduction

PU ISO 125 is a polymeric MDI (PMDI). It is mainly used for making rigid PU foam.

Typical properties

Appearance	Brown coloured liquid
Density, g/cm3 at 25°C	1.23
Viscosity, mPa s at 25°C	170-300
Isocyanate (NCO) value, % corrected for hydrolisable chlorine	28.0-29.0
Hydrolysable chlorine, ppm	< 2000
Flash Point, °C Cleveland Cup, ASTM method D92	230
Fire point, °C	245

Storage and Handling Recommendations

Containers of PU ISO 125 should be kept properly closed and stored indoors in a well-ventilated area under normal factory conditions Storage at temperatures ranging from 20 -30 °C provides a convenient viscosity for handling. Storage at low temperature is not recommended because it may lead to some crystallisation; this material must therefore be protected from frost。. If under abnormal storage conditions some crystallisation does occur, the material should be melted according to the procedures given in the publication PU 18115E. Storage at temperatures above 50°C is not recommended, since this can lead to the formation of insoluble solids and also the viscosity build-up increases on extended storage.
Under the recommended storage conditions and if protected from humidity and contaminants, i.e. in properly sealed drums, cans, etc., PU ISO125 has a provisional storage life of 6 months at the customer. In case of storage in bulk containers,

Reaction with atmospheric moisture, is prevented by storing PU ISO 125 in carefully sealed containers under a dry air atmosphere. During handling, the product must be protectedfrom water ingress and from atmospheric moisture. Containers should be re-sealed immediately after each sampling. The reaction of isocyanates with water leads to the formation of insoluble ureas and

carbon dioxide gas, which can lead to pressure build-up in closed containers. Containers used for

PU ISO 125 must therefore be absolutely dry.

The precautions necessary when handling PU ISO 125 i.e., MDI, and the decontamination procedures recommended to be used in case of spillage, are described fully in the publication PU 193-1E; MDI-based compositions: Hazards and safe-handling procedures. Should it prove necessary to melt PU ISO 125, procedures are given in the publication PU 18115E; Recommended melting procedures for MDI-based isocyanates.

Health and Safety Advice

The appropriate health and safety advice can be found in the safety data sheet for PU ISO 125 available on request. The applicable Safety Data Storage atSheet should be reviewed by customer beforehandling the Huntsman product.

All users of PU ISO 125 are advised to read the publication PU 193-1E; MDI-based compositions: Hazards and safe-handling procedures.