

Technical Information

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Purios A A – Side

APPLICATION

As the hardener component producing polyurethane, rigid and semi – rigid foam.

GENERAL INFORMATION

Purios A is an MDI-based (diisocyanate-diphenylmethane) material containing some higher functionality isocyanates. Purios A is widely used in the production of rigid PU foam insulation. It is also used in isocyanurate foams, paints, adhesives, structural foams, cellular integral skin foams, automotive bumpers and interior parts, high-resilience foams and synthetic wood, etc. Due to its unique composition. Purios A can provide better flowability. It is, therefore, particularly suitable for applications which require good flowability.

Appearance	Dark brown liquid
Functionality	2.6 – 2.7
Specific gravity at 25°C	1.22 – 1.25
Viscosity at 25°C	150 – 250 mPas
NCO, Wt	30.2 – 32.0%
Acidity (HCL)	≤ 0.02%
Hydrolyzable Chlorine	≤ 0.2%

Packaging

210L (55 gal.) steel drums 250 kg (550 lb.)/ drum.

Storage

Purios A is a reactive chemical which should be stored in tightly closed containers at 20 to 30°C (65 to 85°F). Reaction with atmospheric moisture produces insoluble ureas, increases the Viscosity and generates CO₂ gas which may result in dangerous pressure build-up in closed containers. To exclude moisture, dry nitrogen or dry air blanketing (padding) is recommended for opened containers and bulk storage facilities. Extended storage at temperatures above 50° C (122° F) is not recommended since this will cause the formation of insoluble solids (MDI dimer) and viscosity increase.

Shelf life

Under recommended storage conditions, the shelf life of Purios A is one year. Product stored past the expiration date may still be suitable for use as long as key physical and chemical properties are still within specification.

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