

ADDSiL™ 11030

SILICONE SURFACTANT for PU RIGID FOAM

INTRODUCTION

ADDSiL™ 11030 surfactant is a non-hydrolysable silicone glycol copolymer for manufacturing of rigid polyurethane foams.

It is designed for Pentane and HCFC-141b blown polyurethane foams, it provides good nucleation and excellent flow ability.

FEATURES

Fine Cells Texture	■ ■ ■
Emulsification	■ ■
Solubility	■ ■
Flow Ability	■ ■ ■
Dimensional Stability	■ ■
Void Reduction	■

TYPICAL PHYSICAL PROPERTIES

Appearance	Transparent viscous liquid
Viscosity _{25°C}	1200+/-300 mPa.s
Density _{25°C}	1.05+/-0.02 g/cm ³
Water	<0.3%
Freezing point	<-10 °C
pH (4% water solution)	5.8+/-1.5

APPLICATIONS

ADDSiL™ 11030 is suitable for use in systems for refrigeration, lamination and pour-in-place foam applications, using hydrocarbons as blowing agents and co-blown with water.

ADDSiL™ 11030 is also used in polyurethane foam sheet and heat insulation for pipes, using hydrocarbons as blowing agents and co-blown with water.

ADDSiL™ 11030 provides good solubility of cyclo-pentane and cyclo/iso-pentane mixtures in the typical polyol formulations used in the appliances industry.

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ADDSiL™ 11030 is an ideal stabilizer in non-fluorocarbon premixed polyols systems and in pour-in-place applications, in systems using water and HCFC 141b as blowing agents as well as HFCs or HFOs.

ADDSiL™ 11030 delivers extremely fine celled foams, thus obtaining foams with very good thermal insulation performances

The recommended concentration of this product is 2% of polyol (php).

PACKING AND STORAGE

ADDSiL™ 11030 surfactant will become hazy when stored at temperatures below 20°C and will solidify to a soft wax at temperatures below 10°C. The product should be warmed to room temperature and stirred before use.

ADDSiL™ 11030 is supplied in net weight 200Kg steel drum or 1000Kg IBC tote.

When stored at ambient temperature in the original unopened packing, ADDSiL™ 11030 has a shelf life of 12 months from the date of production.

NOTES

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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Please send all technical questions concerning quality and product safety to: support@SiSiB.com.