

ADDSiL™ 11050

PU SILICONE SURFACTANT

INTRODUCTION

ADDSiL™ 11050 surfactant is a non-hydrolysable silicone glycol copolymer for manufacturing of rigid polyurethane foams.

ADDSiL™ 11050 is a general-purpose foam stabilizer used for the production of polyurethane rigid foam plastic, and it can be used in both hydrocarbons (cyclopentane), HCFC 141b and high water content foaming system.

FEATURES

Due to its uniquely designed molecular structure, ADDSiL™ 11050 has a superior capacity in emulsifying, nucleus forming and foam stabilizing, thus, the fluidity of the foaming materials will become better, and a uniform density distribution of the molded finished product is ensured. Moreover, the foamed plastic material will have extremely fine cell and narrow cell distribution, as well as a very high rate of closed cell.

TYPICAL PHYSICAL PROPERTIES

Appearance	Transparent viscous liquid
Viscosity _{25°C}	800+/-200 mPa.s
Density _{25°C}	1.05+/-0.02 g/cm ³
Freezing point	< 0°C
pH (4% water solution)	6.0+/-1.5

APPLICATIONS

ADDSiL™ 11050 can be used in foaming systems including hydrocarbons (Cyclopentane) and high water content foaming system. It provides good stabilization of foam growth in pour-in-place applications, in systems using water and HCFC 141b as blowing agents as well as HFCs or HFOs.

ADDSiL™ 11050 delivers extremely fine celled foams, thus obtaining foams with very good thermal insulation performances

ADDSiL™ 11050 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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Recommended use levels are 1.0~2.5 pphp.

PACKING AND STORAGE

ADDSiL™ 11050 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™ 11050 is supplied in net weight 200Kg steel drum or 1000Kg IBC tote.

When stored at ambient temperature in the original unopened packing, ADDSiL™ 11050 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.