

ADDSiL™ 11080

SILICONE SURFACTANT for PU RIGID FOAM

INTRODUCTION

ADDSiL™ 11080 silicone surfactant is a non-hydrolytic polyether polydimethylsiloxane copolymer. It is an excellent candidate to consider for both continuous and discontinuous applications.

It is designed for HFC-365/227 and the mixture blown polyurethane foams; it provides low thermal conductivities.

FEATURES

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

TYPICAL PHYSICAL PROPERTIES

Appearance	Transparent viscous liquid
Viscosity _{25°C}	800+/-200 mPa.s
Density _{25°C}	1.05+/-0.02 g/cm ³
Water	<0.3%
Freezing point	<0°C
pH (4% water solution)	6.0+/-1.5

APPLICATIONS

ADDSiL™ 11080 provides good compatibility in the premixed systems containing polyether polyol, water, amine and fire retardant, avoiding haziness and phase separation.

ADDSiL™ 11080 provides uniform density and highly closed cellular structures and therefore insulation and mechanical strength. The combined effect on fine cells and flow can deliver foams with constantly low thermal conductivities in all areas of the foamed refrigerator cabinet improving the overall potential energy savings.

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ADDSiL™ 11080 can be used in foaming system including high water content and hydrocarbons (e.g. cyclopentane, i-cyclopentane). Particularly it is suitable for HFC-365/227 system.

ADDSiL™ 11080 can help to reduce voids formation.

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

PACKING AND STORAGE

ADDSiL™ 11080 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™ 11080 is supplied in net weight 200Kg steel drum or 1000Kg IBC tote.

When stored at ambient temperature in the original unopened packing, ADDSiL™ 11080 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.