ADDITIVES

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Additive plays an important part in polyurethane foam system, our PU additives include:
Silicone surfactant—— for PU shoe-sole foam, PUR foam, and high-resilience PU foam.
Polyurethane foam depressant
Catalyst——Dimetyl butyl ether, N-Methyl morph line，N,N-Dimethylcyclohexylamine，Monobutyl tin oxide , Dibutyl tin oxide， Dibutyl tin Laurate
Blowing agent—— HCFC 141b
Flame proofing agent——Dimetyl methylphosphonate

Silicone surfactant

Across all of Polyurethane foam applications there is great need of surfactant for the vital properties of stabilization, nucleation, and emulsification. Our products have been specifically designed for the different technologies targeting the necessary requirements. For Rigid applications we offer recommendations based on extensive research with the blowing agents being used today. For flexible foam we provide HR foam stabilizer surfactants that cover low to high-density applications. We also offer a product designed for micro cellular foam used in shoe sole.

Options

JSY-168---for micro cellular PU shoe-sole foam

It is provided with better hydrophilicity, which can make the foam system emulsified uniformly. The foam products will have enough open cells and regular uniform cells.
The use level of JSY-168 is suggested to be 5～8 (parts on 1000 parts polyol)

JSY-1000—for CRC-11 blown Rigid Polyurethane Foam

It has good emulsification, and the system has good stability.
The use level of JSY-2000 is suggested to be 1.5～2.5(parts on 100 parts polyol).

JSY-2000—for CRC-free PUR

It is a non-hydrolytic polyether-polysiloxane copolymer. It is fit for rigid polyurethane foams blown with cyclo-pentane, HCFC-141b and other alkane blowing agents. This product possesses advantages such as good emulsification, excellent nucleation, and good stability, etc.
The use level of JSY-2000 is suggested to be 1.5～2.5(parts on 100 parts polyol).

JSY-6504,JSY-6505 -- for HR molding PU foam

With much improved properties such as lower activity and wider processing range, it can enhance the compatibility in HR systems and improve the cell structure of the foam. The prepared foams have more open-cell rate, and the pores are fine and dense. The resiliency of the foams is high. JSY－6505 is more suitable for the lower-density foam and

application in large-block PU foam.

The use level of JSY-6504 is suggested to be 0.8～1.5 (parts on 100parts polyol)

Properties

	JSY-168	JSY-1000	JSY-2000	JSY-6504	JSY-6505
Appearance	yellow liquid	yellow liquid	yellow liquid	yellow liquid	yellow liquid
Viscosity(mPa·s, 25℃)	400~700m	500±100	1000±100	300±50	300±50
Density(25℃)g/cm^3	1.060~1.080	1.055±0.019	1.040±0.01	1.00±0.02	1.00±0.02
Index of refraction	(25℃) 1.4475~1.4540	-	(20℃) 1.4485	-	-
Shelf life	12 months				

JSOT-11 Polyurethane Foam Depressant ?

JSOT-11 is extensively used in polyurethane systems. (including polyurethane elastomer, monocomponent moisture-curable and two-component polyurethane coating, sealants, and adhesives etc.) This product reacts with water (of moisture) in system to form active groups first, and then cross-link with isocyanate. So by using JSOT-11, the problem of traditional monocomponet system that the system don't foam during curing will be easily solved. As a result, gluing cure will be quicker, storage stability will be better, and the quality of the polyurethane elastomer will be higher.

Physical properties

JSOT-11 is a kind of primrose, stringy, transparent liquid. When the environment temperature is about 20℃, the degree of viscosity is 2500-3000 cp.

Features

JSOT-11 can :

*easily be dissolved in other components of the polyurethane

*keep clarity of the original system.

*Increase polyurethane system's storage life up to six months.

Usages

In addition to its usage as foam depressant, this product can also be used as moisture-scavenger, polybasic alcohol, stabilizer for performed polymer, etc.

Notes:

- Please keep it dry as it is easy to hydrolyze which might cause efficiency loss
- The product can easily be dissolved in hydrocarbon (such as toluene), exter, etc. And can affix minor solvent. (the solvent must be divided by the water)
- Keep it sealed right after use.
- Viscosity will increase if the environment temperature lowers. Please heat it at 60℃ for application convenience.

Packaging

5KG,10KG,20KG plastic drum

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