

ITOSORB LJ643 is a heat stable type UV absorber that shows outstanding resistance to sublimation. ITOSORB LJ643 significantly improves the light fastness of disperse dyed polyester fabrics and yarns, particularly automotive upholstery and floor coverings. This product is characterized by having extremely micronised particles in the dispersion, which makes it suitable for packing dye applications and piece dye applications.

PROPERTIES

- **Appearance** : Straw to white coloured milky dispersion
- **Main Ingredient** : Anionic aromatic compound
- **pH** : 5.0 - 7.0
- **Solubility** : Dispersible in cold water

APPLICATION

In Padding:

- **ITOSORB LJ643** : 20 - 50 g/l
- **Drying** : 120°C for 1.2min

In Polyester Dyebath:

- **Add ITOSORB LJ643** : 2 - 5 %

ITOSORB LJ643 should be used in conjunction with ITOSOLT LJ557, ITOQUEST PH3-12 and ANTI OLIGOMER LJ1 for enhanced dyeing performance

CHARACTERISTICS

1. ITOSORB LJ643 is more heat stable than conventional type UV absorber, and therefore cause minimal fogging problem in automotive application.
2. ITOSORB LJ643 shows good shelf stability.
3. ITOSORB LJ643 is suitable not only for jet dyeing but also for package dyeing applications due to its very fine particle size.
4. ITOSORB LJ643 is also applicable for continuous process such as pad / thermosol or printing applications

DISCLAIMER

The information herein offered is based on the best of our knowledge at present. However, we are not able to guarantee these matters, as the result of application may vary according to conditions adopted. Preliminary tests are, therefore, recommended in all cases. Please refer to MSDS regarding handling of the products.

APPENDIX











100% polyester fabric was dyed using the following receipt and

Itoperse Auto Yellow HLSF	0.152%
Itoperse Auto Red A2G	0.049%
Itoperse Auto Blue SUN 100%	0.204%
Itolube 30D	0.250%
Itosolt LJ557	0.500%
Itoquest PH3-12	0.500%
Acetic Acid	1.000%
UV Absorber	1, 3 or 5 %

Dyed@ 130°C for 60 minutes.

The light fastness results using Toyota light fastness conditions were as follows:

	1%	3%	5%
No UV Absorber	2-3		
ITOSORB LJ643	3-4	4-3	4-3

				Non	Irradiated	
No UV Absorber						
		1%	3%		5%	
	Non	Irradiated	Non	Irradiated	Non	Irradiated
ITOSORB LJ643						
						
						

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