

INNOVBLLEN

Technical Data List

Product Type: KINGFOX USI-3304

Brand: INNOVBLLEN KINGFOX

Application: Plastic impact-modified for high impact resistance at low temperature (-40℃) & weatherability

Features and benefits:

- Enhanced low temperature impact resistance while also having good balance between impact strength and elastic modulus
- Excellent chemical resistance
- Excellent high-temperature heat resistance

Composition:

- Siloxane-butyl acrylate-methyl methacrylate copolymer
Core-shell structure, Core: silicone-acrylate , silicone content $35 \pm 2\%$,
Shell: MMA

Typical physical properties

Physical properties	value	unite
morphology	power	
color	White to off-white	
Volatiles content	<1.5	%
Bulk density	0. 30-0. 35	g/cm ³

Overview

- KINGFOX USI-3304 is Silicone-acrylate copolymer impact modifier, the siloxane content is about 35%. It can be used for high impact resistance at low temperature (-40℃), weatherability impact resistance modification of engineering plastics, PC、PC/ABS、PC/ASA、PC/PBT ect. It is recommended to add 3-5% (by weight).

Data 1: Usage recommendation

KINGFOX	Resin	Dosage
USI-3304	PC	3-5%
	PC/ABS、PC/ASA、PC/PBT	3-5%

Instructions

- Based on different screw combinations, processing temp, and flame retardant level, there may be variations in the actual amount of KINGFOX USI-3304 added compared to the Recommended usage amount. When mixing KINGFOX with plastic, ensure even dispersion.

Storage and Shelf life

- KINGFOX should be stored under 60 °C (140°F) in a sealed condition, shelf life is 24 months

Package

- KINGFOX additives 15KGS bag