

## INNOVBLEN

## Technical Data List

Product Type: SFR-918

Brand: INNOVBLEN YIMA

Application: Non-dripping ,fluorine-free&phosphorus-free PC flame retardant

Features and benefits:

- Achieve fluorine-free non-dripping PC or PC/ABS flame retardancy
- Excellent physical-mechanical properties
- Excellent chemical resistance

Composition:

- Siloxane polymer containing specail reactive groups

Typical physical properties

Physical properties	value	unite
morphology	Small particle power	
color	White to off-white	
Volatiles content	<1	%
Bulk density	0. 4-0. 5	g/cm <sup>3</sup>

Overview

- YIMA SFR-918 is one of the siloxane flame retardants in the EVERSUN INNOVBLEN SFR series , containing specail reactive groups, It exhibits excellent Flame retardancy and anti-dripping properties. While maintaining the original physical properties of pc , as well as outstanding chemical resistance. The dosage of SFR-918 needs to be increased when additional impact modifiers or TiO<sub>2</sub> are added.

Data 1: Usage recommendation

INNOVBLEN YIMA	Resin	Dosage	Flame retardant rating
YIMA SFR-918	PC	17-20%	1.6mm UL94 V-0
		14-15%	2.0mm UL94 V-0
	PC/ABS RESIN Recommended ratio: PC/ABS/ <b>SFR-918</b> /FR-SPB=61/15/10/14	15%	2.0mm UL94 V-0

Instructions

- Based on different screw combinations,processing temt,and flame retardant level, there may be variations in the actual amount of SFR-918 added compared to the Recommended usage amount. When mixing SFR-918 with plastic, ensure even dispersion.

Storage and Shelf life

- SFR-918 should be stored under 60 °C (140°F)in a sealed condition ,shelf life is 24 months

Package

- SFR-918 additives 20KGS bag