

A01

Odorless Acrylic-Styrene Copolymer Emulsion

Product Description

Odorless Emulsion A01 is an acrylic-styrene copolymer emulsion designed for interior and exterior wall coatings, fireproof coatings, and acrylic pigments. It offers excellent gloss, superior water resistance, outstanding color development, and low odor profiles. Furthermore, it demonstrates an exceptionally efficient thickening response to common thickeners and provides extensive application versatility.

Product Features

- Excellent gloss, superb water resistance, and high color development properties.
- Low odor profiling.
- Highly responsive to thickeners.

Physical Properties*

Properties	Value	Unit	Test Method
Appearance	Milky white liquid with a slight blue tint	—	Visual
Solid Content	45 ± 1	wt%	GB/T 20623-2006
pH	6.0 - 7.0	—	GB/T 20623-2006
			Brookfield DV-S, 4#,

Viscosity	1000 - 3000	CPS	30rpm, 25°C
Glass Transition Temperature (TG)	24	°C	—
Residual Unsaturated Monomer Content	< 10	ppm	Gas Chromatography (GC)

*Note: *The properties listed above represent typical results only and should not be construed as product specifications. Please refer to the specific Certificate of Analysis (COA) for official specifications.*

Gas Chromatography (GC) Analysis Report

A01 features ultra-low VOC criteria verified via gas chromatography testing ensuring minimal residue monomer contents.

Peak No.	Retention Time (min)	Component Name	Concentration	Peak Area
1	2.533	Vinyl Acetate	0	0
2	3.753	Ethyl Acrylate	0	0
3	3.908	Methyl Methacrylate	0	0
4	7.228	Butyl Acrylate	0	0
5	7.869	Styrene	0	0
6	8.683	Internal Standard	0	435587
7	13.221	Isooctyl Acrylate	0	0
Total			0	435587

Storage

Please store this product in a cool, dry place away from direct sunlight. The storage

temperature should be maintained between 5°C and 35°C, keeping the original packaging completely intact.

The shelf life of this product is six months from the date of manufacture. If the product exceeds its shelf life, a performance evaluation is highly recommended before use. Once the packaging is opened, it is recommended to filter the emulsion properly before application and consume it as quickly as possible.

Disclaimer

Shandong Sanjia Polymer Material Co., Ltd. strongly recommends that customers handle and use this product safely and rationally in accordance with the detailed information provided in the Material Safety Data Sheet (MSDS). While we believe the recommendations and data contained herein are true and reliable, the contents of this Technical Data Sheet are provided for reference purposes only. We offer no warranties, whether express or implied, regarding product characteristics, applications, quality, safety, product specifications, merchantability, or fitness for a particular purpose.

Shandong Sanjia Polymer Material Co., Ltd.