

SAJA / SANJIA POLYMER

Technical Data Sheet (TDS)

1154

Multicolor Coating Thickener (Hydrophobically Modified Acrylic Emulsion)

Product Description

Model 1154 is a specialized hydrophobically modified acrylic emulsion developed for multicolor paint networks. Compared with common market thickening agents, it offers significant consumption savings and minimizes formulation costs. It exhibits exceptional resistance to moisture and water whitening, excellent spray atomization behavior, superior pigment suspension stability, high thermal tolerance, and high optical clarity. The formulation ensures reliable viscosity over extended storage with minimal post-thickening drift.

Product Features

- Excellent resistance to water-whitening, uniform film-forming capability, high transparency, and robust compound stability.
- Provides highly efficient and dependable thickening control within electrolyte formulation systems, ensuring smooth atomization properties during spray applications alongside excellent structural stability.

Physical Parameters*

Properties	Value	Unit	Test Method / Conditions
Appearance	Milky white liquid	—	Visual
Solid Content	40 ± 1	wt%	GB/T 20623-2006
pH Parameter	3.0 - 4.0	—	GB/T 20623-2006

Viscosity Profile	< 300	CPS	Brookfield DV-S, 2#, 30rpm, 25°C
Consistency Index	110 - 130	KU	Tested in 4% Aqueous Solution at pH = 7.5

*Note: *The technical parameters documented above represent typical performance indications only and do not constitute absolute product specs. Please refer to the specific Certificate of Analysis (COA) for official commercial specifications.*

Storage Parameters

This emulsion must be kept inside original, fully closed containers protected from direct sunlight, in a cool and dry environment. Ensure storage temperatures are maintained within the safe margin of 5°C to 35°C. The standard shelf life is six months counting from the packaging date. Should the material exceed this storage period, a thorough performance verification is highly advised before manufacturing. Once unsealed, passing the fluid through an appropriate screen filter prior to formulation processing is recommended, and the remaining material should be used up promptly.

Disclaimer

Shandong Sanjia Polymer Material Co., Ltd. strongly recommends that operators perform storage, handling, and application procedures safely and reasonably in absolute accordance with the directives outlined in the material safety data sheet (MSDS). Although the data arrays and technical recommendations compiled here are accurate and true to our best knowledge, the contents of this technical data sheet are provided for guide reference purposes only. Our company presents no warranties, either expressed or implied, regarding product attributes, field application results, overall quality consistency, operational safety parameters, merchantability, or matching fitness for any particular individual purpose.

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