

Technical Data Sheet

Textile Coating Leather Plastic

INDOFIL HSD 45

High Solid Dispersing Agent for Water Based Systems

Product Description

Indofil HSD 45 is the latest introduction in the basket of dispersing agents from Indofil Range. It is a highly effective, low viscosity dispersing agent for water-borne coating systems.

Being a high solid dispersant, it reduces formulator dosage and offers competitive advantage over other dispersants by further minimizing water transportation costs.

Indofil HSD 45 is an ideal dispersant for a wide range of water-borne Coatings. It is versatile pigment dispersant for High PVC, Medium PVC, and Low PVC paint formulations and especially suitable for the dispersion of inorganic pigments.

Properties

- ❖ A dispersant's key properties include wetting, dispersing, and stabilizing solid particles, such as pigments, in a liquid. After initial wetting, pigment agglomerates are broken down through mechanical milling, allowing the dispersant to adsorb onto the newly exposed surface and form a stabilizing polymer layer. This electrostatic stabilization prevents re-agglomeration by creating an energy barrier around each particle.
- ❖ Indofil HSD 45, a low molecular weight polymeric dispersant, has been developed to enhance paint formulation characteristics, offering the industry an opportunity to explore the latest advancements.

Advantages

- ❖ Economical – requires a low level of addition due to its high concentration as a 45% solid product.
- ❖ The dispersion process while minimizing the need for defoamers
- ❖ High efficiency for dispersion of mineral pigments and extenders, and consequently low grinding time required

INDOFIL HSD 45

- ❖ Very good stability of the manufactured products, in particular excellent viscosity stability

Recommended Uses

- ❖ 0.4 – 1.0% Indofil HSD 45 (based on pigment weight)

Typical Physical Properties

Specification data

Value

❖ Nature	Sodium salt of Poly carboxylate
❖ Visual Appearance	Clear, slightly brownish to yellowish liquid
❖ Specific gravity at 30°C	1.28 ± 0.3
❖ Solid content	45 ± 1.0 %
❖ pH (As Such)	7.0 – 8.0
❖ Viscosity (Brookfield @25°C)	<1400

- These figures are only intended as a guide and should not be used in preparing specifications

Storage

Indofil HSD 45 is non-flammable, non-combustible. It should be stored under shade. It should not be exposed to direct sunlight

Shelf Life

12 months from the date of manufacturing

Packaging

Available in 250 kg HDPE containers.

Disclaimer: The suggestion and data in this bulletin are based on information we believe to be reliable. It is offered in good faith, but without guarantee, as the conditions and methods of the use of our products are beyond our control. We always recommend that the prospective user should determine the suitability of our products and suggestions on an experimental basis first before adapting on a commercial scale.

Registered Office: Kalpataru Square, 4th Floor, Kondivita Road, Off Andheri Kurla Road, Andheri (E), Mumbai-400 059, India.