Additives for coatings and printing inks

DISPARLON®

IS-1181E (May 2012)

DISPARLON® LAP-10, LAP-20, LAP-30

(Anti-popping/defoaming agents)

DISPARLON LAP-10, LAP-20 and LAP-30 are acrylic polymer based anti-popping/defoaming agents developed specifically for highly-polar coatings like high-solid baking systems.

ADVANTAGES

- Effective particularly in preventing popping associated with high-solid coatings involving methylated melamine, which is said to be difficult to control with conventional additives.
- In addition to the ability to prevent popping, these products can give leveling properties to the coating, thus eliminating the formation of Benard-cells and pigment floating.
- Silicone free/good recoatability.

APPLICATIONS

As anti-popping agents

| Applications Recommended coating type | |
|---|--------------------------------------|
| High-solid polyester (acrylic) melamine | Automotive, Coil, Electric appliance |
| Acid/ Epoxy systems | Automotive (Clear top) |
| High-solid 2K urethane systems | Automotive (Clear top) |

As defoaming agents

| Applications | Recommended coating type | |
|-------------------------|--------------------------|--|
| UV cured systems | Wood, Ink | |
| Epoxy/Polyamide systems | Flooring | |

INCORPORATION

Additive level $0.3 \sim 2.0 \%$ by wt.

Method : Post addition on a high speed dissolver is recommended.

TYPICAL PROPERTIES

| | DISPARLON LAP-10 | DISPARLON LAP-20 | DISPARLON LAP-30 | |
|------------------|----------------------------------|--------------------------------------|--------------------------------|--|
| Appearance | Colorless to light yellow liquid | | | |
| Non-volatile [%] | 20% by wt. | 20% by wt. | 20% by wt. | |
| Density | 0.882 | 0.899 | 0.913 | |
| Viscosity | 3.9 mPa·s(cP) | $2.7 \text{ mPa} \cdot \text{s(cP)}$ | $3.0 \mathrm{mPa \cdot s(cP)}$ | |
| Solvent | S-naphtha/n-butyl acetate | n-butyl acetate | n-butyl acetate | |

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