

The Lubrizol logo is displayed in white text on a black background. The word "Lubrizol" is written in a bold, sans-serif font with a horizontal line underneath the letters "i" and "z".

PERFORMANCE COATINGS

SOLPLUS™ HYPERDISPERSANTS

PLASTICS MADE EASY

POLYMERIC DISPERSANTS FOR MASTERBATCHES,
THERMOPLASTICS AND THERMOSETS

Solplus hyperdispersants and coupling agents provide efficient dispersion to meet the needs of the plastics industry for thermoplastic and thermoset polymers as well as polyurethanes.

Plasticizer and Polyol Dispersions

In these systems, Solplus hyperdispersants improve dispersion of organic and inorganic pigments, fillers, flame retardants, stabilizers and blowing agents. Manufacturers achieve higher solids loadings/increased pigment concentration, low viscosities (more Newtonian rheology), improved color strength and better dispersion of color in the finished polymer. This results in cost savings due to increased productivity and fewer passes through the equipment. Solplus hyperdispersants work in phthalate and non-phthalate plasticizers as well as polyether and polyester polyol systems.

Thermoplastic Compound/Masterbatch and Cable Applications

Solplus hyperdispersants are recommended for use with a variety of fillers and pigments in thermoplastic compounding and cable production. These novel dispersants enable advanced mechanical properties such as tensile strength and elongation to break and cost savings. Additionally, they are effective on a wide range of pigments, fillers and flame retardants for many polymer types.

Thermoset/Composite Applications

Solplus additives offer major process advantages to the thermoset industry including the combination of dispersing and wetting properties as well as anti-settling benefits in a single additive. Solplus dispersants improve the dispersion of fillers, flame retardants and reinforcement (fibers) in thermoset systems as well as for organic and inorganic pigments in gel coats. Benefits in thermoset and composite applications include high filler/flame retardant loadings, low viscosities, anti-settling, excellent stability, high color strength and good compatibility for efficient processing.

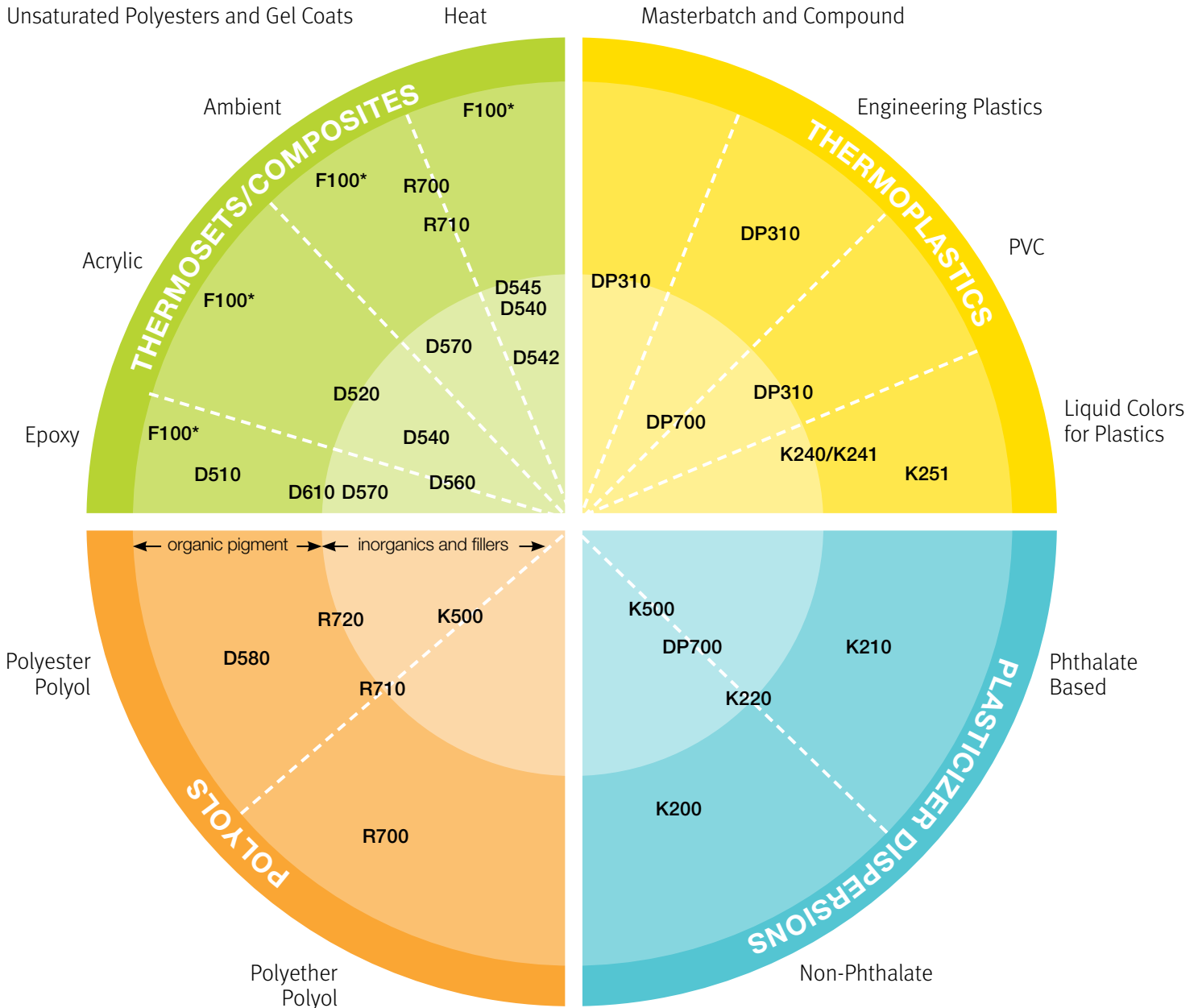
WHAT WE ADD MAKES THE DIFFERENCE.™

- HIGH LOADING
- STRONG, BRIGHT COLORS
- MINIMAL PRODUCT DEFECTS
- LOW FILTER BLOCKAGE
- HIGH THROUGHPUT
- IDEAL FOR USE IN PIGMENT AND FILLER TREATMENT, MASTERBATCHES, LIQUID COLORS, PIGMENT DISPERSIONS

www.solplus-additives.com

Influence of Media Compatibility on Product Selection

For a Solplus hyperdispersant to be effective in specific applications, it must be compatible with the media in which the solid is being dispersed AND have an affinity with the surface of the material itself. These are the main criteria used in product selection. The main dispersant grades offered for a range of plastics applications are mapped out below:



*Solplus™ F100 is an air-release agent that is designed for rapid air-release and effective wetting in thermoset systems.

Lubrizol Advanced Materials, Inc.

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