

CEL-SPAN®

S 100



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A stabilizing and dispersant aid for color in extrusion and film applications.

Cel-Span® S 100 is a compounded additive for color stabilization and dispersion. A unique proprietary compounding technique makes it possible to pelletize the entire active stabilizer and dispersant in the formulation without adding additional heat history. Cel-Span® S 100 should be utilized at 0.25% to 1% consistently during the color concentration manufacturing processes for stabilization and dispersion. Cel-Span® S 100 also lessens degradation of pigments and enhances the brightness of color concentrates. The pigment is initially dispersed by dispersing agents in order to prevent the formation of uncontrolled flocculates; a process of contact and adhesion whereby the particles of dispersion form larger-size clusters. Stability of dispersion is a result of interplay of the heat (kinetic) energy of particles, attractive inter-particle forces, and repulsive forces; this also helps to limit short-range Van der Waals forces.

Applications: Blown / Cast Film and Extrusion

Melt point: 157°F (69.6°C)

Blend Density: 0.512 g/cm³ (32 lb. /ft³)

Types of Resins: PE, PE, EVA, PS, and PET

Amount Required: 0.25% - 1%

Features and Benefits:

- Low dosages
- Enhances color
- Increases physical integrity of the polymer

Cel-Span® S 100 is packaged in 50 lb. bags or 1,000 lb. gaylord boxes. We recommend this product be kept closed and stored in the original container, away from light, heat, and highly humid environments. Cel-Span® S 100, once blended, should be processed and not stored for future use. Opened packages should be closed tightly to limit oxygen permeation and oxidation of stabilizing and other hygroscopic additives. No adverse health effects from the use of Cel-Span® S 100 are known. All additives in this unique formulation are GRAS and FDA compliant for food contact.

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