

CEL-SPAN®

Process Aid 645



PHOENIX
Plastics™
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Cel-Span® Process Aid 645

An mechanical property increasing additive for polyethylene and polypropylene films.

Cel-Span® Process Aid 645 is a concentrate product containing a high level of thermal stabilizers plus other other additives to provide protection of film resins during high temperature extrusion processes, thus maximizing inherent physical properties of the natural resins. The additives use in Cel-Span® Process Aid 645 also allows manufacturers to lower their gauge thickness and increase physical properties like dart, puncture resistance, tear propagation, elongation and tensile. Cel-Span® Process Aid 645 also lowers die pressure and helps to increase line speeds. Where lowering gauge is not an option, the use of Cel-Span® Process Aid 645 increases mechanical properties between 10% and 25%.

Applications: Blown or Cast Film, Extrusion and Injections Molding Applications

MI Conditions 190°C/2.16kg: 0.7g/10min

Blend Density: 0.910 g/cc

Film Physical Properties at 10 MIL:

Tensile strength at break: psi 9355

% Elongation at break: 630%

Dart impact: 1780 grams

Elmendorf Tear MD: 566g/mil

Elmendorf Tear TD:640g/mil

Features and Benefits:

- Increases physical integrity of film compatible with polypropylene
- No process changes needed
- Safe, non-hazardous materials with FDA compliance
- Enhances multi layer films when use in the core layer
- Can be used with a laminating resin to reduce char and black specs at 600°F plus processing temperatures

Cel-Span® Process Aid 645 is packaged in 50 lb. plastic bags and 1,100 lb. gaylord boxes. We recommend this product be kept closed and stored in the original container away from light, heat, and highly humid environments. No adverse health effects from the use of Cel Span® Process Aid 645 are known. This product is non-dusting and the additives are GRAS approved, REACH and RoHS compliant.

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