

CEL-SPAN®

# Process Aid 606C



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## **Cel-Span® Process Aid 606C**

A coupling, compatilizing and processing concentrate for polycarbonate applications.

Cel-Span® Process Aid 606C in a polycarbonate resin carrier used in extrusion and injection processes to compatilize dissimilar resins into polycarbonate, couple additives and enhance flow and reduce the processing temperature and increase productivity for all polycarbonate resins. Cel-Span® Process Aid 606C contains a unique additive that enhances the flow characteristics of polycarbonate resins in injection molding processes, reducing the cycle time while improving mold filling in multiple cavity molds. In compounding, extrusion, blow molding applications, Cel-Span® Process Aid 606C also couples additives such as minerals, fiberglass, and flame retardants to polycarbonate resins, while increasing distribution. Compatilization of dissimilar resins, which might have contaminated resin streams, can be manufactured into more homogeneous matrices at lower percents without the use of acid type of compatilizers, which could increase decomposition of various resins. The reduction in processing and melt temperatures results in less polymer degradation, better color, lower cycle time and higher output especially in injection, blow molding and sheet applications. This product has no effect on the high clarity performance of most polycarbonate resins.

## **Applications: Injection - Compounding - Extrusion - Blow Molding**

Cel-Span® Process Aid 606C recommended usage level is 1.0% to 2.0%. Since the carrier resin for Cel-Span® Process Aid 606C is polycarbonate, we recommend drying which is typical when using polycarbonate resins. For injection molding processes, adjust machine conditions so that the work energy is maintained in the screw. We also recommend that the rear zone temperatures be reduced by 15 – 20% and the front zone by 5 – 10%.

Cel-Span® Process Aid 606C additives are listed on the TASCAs list. There are no adverse health effects from the use of Cel-Span® Process Aid 606C. Cel-Span® Process Aid 606C is packaged in 55 lb. plastic bags or 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.

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