

CEL-SPAN®

# FR 603



Cel-Span® FR 603 is a zero free halogen polypropylene compound tailored for injection molding applications. This new product is made from a high melt flow homopolymer for easy mold filling, excellent UV and thermal properties coupled with low specific gravity and a UL 94 at 1/16 (3.2mm) of solid VO.

		ASTM TEST	UNITS	VALUE
MI Cond. 190°C	D-1238		g/10 min	7.0
% Elongation	D-638	%		22.4
Tensile at Yield	D-168	psi		3270
Specific Gravity	D-792			0.98
Flammability	UL 94	VO		
Izod Impact	D-256		FT-lbs/in.	0.60
Flexural Modulus	D-790	psi	237, 600	

## APPLICATIONS:

This unique product is recommended for electrical sockets, timers, and light fixtures, plus other applications where a UL 94 VO is specified. This product carries a service temperature of 100°C for 1 to 2 years.

## PROCESS CONDITIONS:

The proprietary flame additive in Cel-Span® FR 603 works by intumescence chemistry, which is initiated by heat. This chemical reaction forms a char barrier and thus excludes oxygen from the fuel and temperature sources. We recommend that the barrel zone temperatures be set at 360°- 380°F for optimum processing, and a mold temperature of 110° - 150° F should be used for optimum molding quality.

No adverse health effects from the use of Cel-Span® FR 603 are known. All additives in this unique formulation are located in the Code of Federal Regulations and have GRAS status.

Cel-Span® FR 603 is packaged in 50 lb. bags and 1000 lb. Gaylord boxes. We recommend that this product be kept closed in its original container or package in a dry location for optimum functional use and ease of handling.

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