

## Data Sheet

### FR-6792

### Flame Retardant Polypropylene Copolymer

FR-6792 is a ready-to-use polypropylene copolymer compound. It is designed for injection molding applications which require a UL-94 rating of V-0 at thickness of 0.062" or greater.

FR-6792 has a low specific gravity which can result in lower material costs for molded parts.

#### Applications

FR-6792 is designed for injection molding of battery casings and similar parts.

#### Preliminary Specifications\*

Properties	Test method ASTM	Unit	English Value
<b>Mechanical properties</b>			
Tensile Strength at Yield	ASTM D-638	psi	3406
Tensile Strength at Break	ASTM D-638	psi	2249
Tensile Elongation at Break	ASTM D-638	%	203
Flexural Modulus (0.05 in/min)	ASTM D-790	psi	138,000
Izod Notched Impact Strength, 23°C	ASTM D-256	ft-lbs/in	2.5
Gardner Impact	ASTM D-5420	lb	200
<b>Processing</b>			
Nominal Melt Flow Rate	ASTM D-1238 'L'	g/10 min	17
<b>Flammability</b>			
UL 94 (0.062 in)	UL 94	class	V-0
<b>Miscellaneous properties</b>			
Density	ASTM D-792	g/cm <sup>3</sup>	1.01

#### Handling and Use

PPC flame-retardant products are considered to be non-hazardous under normal conditions. Material Safety Data Sheets are available on all these products, and you are encouraged to read and understand these documents before using the product. Since these products are used at elevated temperatures, fumes may be generated under some use conditions. Ventilation is necessary to minimize employee exposure to these fumes.

#### Packaging and Samples

Standard packaging is in 1,000-lb boxes, lined and on pallets. Optional are bulk hopper rail cars, bulk truck, 250-lb fiber drums and 50-lb bags. To meet particular needs, boxes up to 1,400 lb can be supplied.

Samples are available on request by calling our toll-free order number: 800-836-8589.

\*Important: The descriptions, designs, and data contained herein are presented for your information only. Because there are many factors under your control which may affect processing or applications/use it is necessary for you to make appropriate tests to determine whether the product is suitable for your particular purpose prior to use. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, OR DATA MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, DATA OR DESIGNS PROVIDED BE PRESUMED TO BE A PART OF OUR TERMS AND CONDITIONS OF SALE. Further, you expressly understand and agree that the descriptions, designs, and data furnished by Polymer Products hereunder are given gratis and Polymer Products assumes no obligation or liability for same or results obtained from use thereof, all such being given to you and accepted by you at your risk. Any laboratory flammability tests set forth herein are not intended to reflect hazards prescribed by materials under actual fire conditions. As governmental regulations and use conditions may change, it is the Buyer's responsibility to determine the suitability of Polymer Products' products for specific applications.