

## Flame Retardant Battery Compounds and Concentrates Avantra®, Endura® and Zeral®

Product	Polymer	Non-Halogen	Non-Blooming	Flame Retardancy	Specific Gravity	Melt Flow (g/10 min)	Tensile Strength at Yield (psi)	Tensile Strength at Break (psi)	Flexural Modulus (psi)	Elongation at Break (%)	Izod Impact, Notched (ft-lb/in)	Compound/Concentrate
Test Method	-	-	-	UL-94	ASTM D-792	ASTM D-1238	ASTM D-638	ASTM D-638	ASTM D-790	ASTM D-638	ASTM D-256	
Endura FR-6732	PP	No	Yes	V-0, V-2	2.24	•	•	•	•	•	•	Concentrate
Endura FR-7072-3	PPCo	No	Yes	V-2, 1/16"	0.95	14	3,450	2,310	201,000	190	2.3	Compound
Endura FR-6780	PPCo	No	Yes	V-0, 1/16"	0.97	21	3,500	2,300	173,000	70	2.2	Compound
Endura FR-6916	PPCo	No	Yes	V-0, 1/16"	1.01	22	3,750	2,500	183,000	60	1.3	Compound
Zeral Z-100	PPCo	Yes	Yes	V-0, 1/16" V-2, 1/32"	1.04	11	2,690	NA	261,000	71	0.8	Compound
Zeral Z-101	PPCo	Yes	Yes	V-0, 1/16"	1.03	14	2,600	1,905	267,000	110	0.6	Compound
Avantra 8130	HIPS	No	Yes	V-0, 1/16" 5VA, 0.09"	1.15	4.5	3,750	3,400	310,000	70	2.3	Compound
Avantra 8731	HIPS	No	Yes	V-0, 1/16"	1.15	4	4,000	3,200	305,000	50	3.3	Compound
Endura FR-6821-1	ABS	No	Yes	V-0, 1/16"	1.17	11	5,900	4,600	352,000	8.6	1.7	Compound

• Formulation Dependent

PMC Polymer Products specializes in the design and development of flame retardant compounds, concentrates and custom formulations designed for your specific performance needs. The flame retardant active ingredients in our concentrates are pre-dispersed resulting in increased production efficiency and improved flame retardancy and physical properties.

Contact PMC Polymer Products for your flame retardant battery case needs.

1 800 836 8589

[www.specialtycompounds.com](http://www.specialtycompounds.com) • [www.polymermasterbatches.com](http://www.polymermasterbatches.com)





- ★ Headquarters
- Manufacturing Locations

## About PMC Group



PMC Group is a growth oriented, diversified, global chemicals and plastics company dedicated to innovative solutions to everyday needs in a broad range of end markets including plastics, consumer products, electronics, paints, packaging, personal care, food, automotive and pharmaceuticals. The Company was built on a sustainable model of growth through innovation while promoting social good. PMC operates from a global manufacturing, innovation and marketing platform with facilities in the Americas, Europe and Asia. More information about PMC and its activities around the world can be found at [www.pmc-group.com](http://www.pmc-group.com).

**pmc**  **polymer products™**

[www.specialtycompounds.com](http://www.specialtycompounds.com) • [www.polymermasterbatches.com](http://www.polymermasterbatches.com)

100 Station Avenue  
Stockertown, PA 18083  
800 836 8589