

# Endura® FR-6799

Polypropylene Copolymer

PMC Group Polymer Products

## Message:

Endura® FR-6799 is a ready-to-use non-blooming polypropylene copolymer compound. It is designed for injection molding applications which require a UL-94 rating of V-2 at thickness of 0.062" or greater.

Endura® FR-6799 has a low specific gravity which can result in lower material costs for molded parts.

Endura® FR-6799 has been specifically formulated to essentially eliminate the possibility of surface bloom.

## Applications

FR-6799 is designed for injection molding of battery casings and similar parts.

General Information			
UL YellowCard	E71210-249268		
Features	Flame Retardant		
	Non-Blooming		
Uses	Battery Cases		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	23.8	MPa	
Break	15.9	MPa	
Tensile Elongation (Break)	190	%	ASTM D638
Flexural Modulus <sup>1</sup>	1390	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Gardner Impact	91000	g	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	53.0	°C	
1.8 MPa, Unannealed	96.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.57 mm)	V-2		UL 94
NOTE			
1.	1.3 mm/min		

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#### Recommended distributors for this material

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