

# Endura® FR-6780

Polypropylene Copolymer  
PMC Group Polymer Products

Message:

Endura® FR-6780 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-0 at thicknesses of 0.062" or greater.

Endura® FR-6780 has a low specific gravity which can result in lower material costs for molded parts.

Endura® FR-6780 has been specifically formulated to essentially eliminate the possibility of surface bloom.

Applications

Endura® FR-6780 is designed for injection molding of battery casings and similar parts.

General Information			
UL YellowCard	E71210-249267		
Features	Copolymer		
	Flame Retardant		
	Non-Blooming		
Uses	Battery Cases		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.970	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	21	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	24.1	MPa	
Break	15.9	MPa	
Tensile Elongation (Break)	70	%	ASTM D638
Flexural Modulus <sup>1</sup>	1190	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
Flammability	Nominal Value		Test Method
Flame Rating (1.57 mm)	V-0		UL 94
NOTE			
1.	1.3 mm/min		

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Recommended distributors for this material

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