

**ColorFast® PP1-2000**
*Americhem - Polypropylene Homopolymer*
**General Information**
**Product Description**

Homopolymer that can be processed by injection molding

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Excellent Colorability		
Uses	• Battery Cases • Closures • Consumer Applications	• Household Goods • Housings • HVAC Applications	• Industrial Applications • Industrial Parts
UL File Number	• E178307		
Forms	• Pellets		
Processing Method	• Injection Molding		

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.905		ASTM D792
Melt Mass-Flow Rate (MFR)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	5600	psi	ASTM D638
Flexural Modulus	260000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.60	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108		ASTM D785

**Processing Information**

Injection	Nominal Value	Unit
Drying Temperature	120	°F
Drying Time	2.0 to 4.0	hr
Drying Time, Maximum	6.0	hr
Suggested Shot Size	40 to 60	%
Rear Temperature	360 to 400	°F
Middle Temperature	370 to 410	°F
Front Temperature	380 to 420	°F
Nozzle Temperature	390 to 440	°F
Processing (Melt) Temp	390 to 440	°F
Mold Temperature	50 to 100	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 2.0 in/min
