

ColorFast® PP2-8800FR

Americhem - Polypropylene Copolymer

General Information
Product Description

PP2-8000FR is an injection molding grade of unreinforced polypropylene impact copolymer. It consists of a non-halogenated FR system with a flame rating of V-0/3mm.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.980		ASTM D792
Melt Mass-Flow Rate (MFR)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.015 to 0.020	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	3000	psi	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	160000	psi	ASTM D790
Flexural Strength	3500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-13°F	0.80	ft-lb/in	
73°F	> 2.0	ft-lb/in	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	65		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	170	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating ³ (0.12 in)	V-0		UL 94

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

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min

³ Internal test method in accordance with UL94 standard

