

**ColorFast® POM2-0800**

Americhem - Acetal (POM) Copolymer

**General Information**
**Product Description**

POM2-0800 is a medium viscosity injection molding grade of Acetal (POM) Copolymer with good thermal stability and high fatigue and chemical resistance. It is suitable for a wide range of applications including laser marking.

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Excellent Colorability		
Uses	• Consumer Applications	• Household Goods	• Office Automation Equipment
	• Engineering Parts	• Industrial Applications	
Forms	• Pellets		
Processing Method	• Injection Molding		

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.41		ASTM D792
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	13	cm <sup>3</sup> /10min	ASTM D1238
Molding Shrinkage - Flow	0.020	in/in	ASTM D955
Water Absorption (Saturation, 73°F)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	9180	psi	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	391000	psi	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed, 0.126 in)	219	°F	ASTM D648

**Processing Information**

Injection	Nominal Value	Unit
Drying Temperature	170 to 200	°F
Drying Time	3.0	hr
Suggested Shot Size	40 to 60	%
Rear Temperature	330 to 360	°F
Middle Temperature	355 to 380	°F
Front Temperature	355 to 380	°F
Nozzle Temperature	370 to 395	°F
Processing (Melt) Temp	350 to 395	°F
Mold Temperature	175 to 250	°F
Back Pressure	0.00 to 580	psi

**Notes**

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

