

**ColorRx® POMC-0902**

Americhem - Acetal (POM) Copolymer

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

POM2-0901RX is a standard flow injection molding grade of Acetal (POM) Copolymer. It is suitable for healthcare applications.

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Autoclave Sterilizable	• Ethylene Oxide Sterilizable	• Heat Sterilizable
	• Biocompatible	• Excellent Colorability	• Steam Sterilizable
Uses	• Engineering Parts	• Medical/Healthcare Applications	• Surgical Instruments
Agency Ratings	• ISO 10993-5		
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)	9.0	cm <sup>3</sup> /10min	ASTM D1238
Molding Shrinkage - Flow	0.020	in/in	ASTM D955
Water Absorption (Saturation, 73°F)	0.65	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	9280	psi	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus	363000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.2	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed, 0.126 in)	230	°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.
