

ColorRx® PP2-2700RX
Americhem - Polypropylene Random Copolymer
General Information
Product Description

PP2-2700RX is a high flow injection molding grade of Polypropylene (PP) random copolymer with high stiffness and impact strength. It is suitable for healthcare applications and sterilizable by EtO, steam at 121°C, and gamma radiation.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Autoclave Sterilizable • Biocompatible	• Ethylene Oxide Sterilizable • Excellent Colorability	• Steam Sterilizable
Uses	• Closures • Housings	• Medical/Healthcare Applications • Surgical Instruments	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.902		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	27	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	4400	psi	ASTM D638
Tensile Elongation ² (Yield)	14	%	ASTM D638
Flexural Modulus ²	145000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.4	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	177	°F	ASTM D648

Notes

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

² 2.0 in/min

