

ColorRx® PP1-2800RX
Americhem - Polypropylene Homopolymer
General Information
Product Description

PP1-2800RX is a high flow injection molding grade of Polypropylene (PP) homopolymer with low warpage. It is suitable for healthcare applications and sterilizable by EtO and steam at 121°C.

General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> Africa & Middle East Asia Pacific Europe Latin America North America
Features	<ul style="list-style-type: none"> Autoclave Sterilizable Biocompatible Ethylene Oxide Sterilizable Excellent Colorability Steam Sterilizable
Uses	<ul style="list-style-type: none"> Closures Housings Medical/Healthcare Applications Surgical Instruments
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.902		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	28	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	5600	psi	ASTM D638
Tensile Elongation ² (Yield)	8.0	%	ASTM D638
Tensile Elongation ² (Break)	> 50	%	ASTM D638
Flexural Modulus	255000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.72	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	210	°F	ASTM D648

Notes

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

² 2.0 in/min

