

ColorRx® NY2-1000HSRX

Americhem - Polyamide 66

General Information
Product Description

NY2-1000HSRX is a high flow injection molding grade of nylon 6,6 with good processability and heat stability. It is suitable for healthcare applications.

General

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

Properties ¹

Physical	Dry	Conditioned	Unit	Test Method
Density / Specific Gravity	1.14	--		ASTM D792
Water Absorption (24 hr)	1.2	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength ² (Yield)	11800	--	psi	ASTM D638
Tensile Elongation ² (Break)	60	--	%	ASTM D638
Flexural Modulus ²	405000	--	psi	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (0.125 in)	0.90	2.0	ft·lb/in	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	400	--	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	145	--	°F	ASTM D648

Processing Information

Injection	Dry Unit
Drying Temperature	176 °F
Drying Time - Desiccant Dryer	2.0 to 4.0 hr
Suggested Max Moisture	0.20 %
Processing (Melt) Temp	536 to 572 °F
Mold Temperature	122 to 194 °F

Notes

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

² 2.0 in/min

