

ColorRx® PE2-2000RX

Americhem - High Density Polyethylene

General Information

Product Description

PE2-2000RX is a high flow injection molding grade of HDPE (high density polyethylene) with good impact strength and stiffness. It is suitable for healthcare applications and sterilizable by EtO.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Biocompatible	• Excellent Colorability	
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	0.954		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	3900	psi	ASTM D638
Flexural Modulus ²	172000	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63		ASTM D2240

Notes

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

² 2.0 in/min

