



ColorRx® PE3-0100RX

PRODUCT DESCRIPTION Biocompatible, low density Polyethylene with high rigidity and good chemical resistance for blow molding healthcare applications.

MATERIAL STATUS Commercial: Active

AVAILABILITY Africa & Middle East, Asia Pacific, Europe, Latin America, North America

FEATURES Biocompatible, Chemical Resistant, High Rigidity, Low Density

USES Medical/Healthcare Applications

AGENCY RATINGS ISO 10993 Part 5

FORMS Pellets

PROCESSING METHOD Blow Molding

PHYSICAL	NOMINAL VALUE	UNIT	TEST METHOD
Density / Specific Gravity	0.949	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.35	g/10 min	ASTM D1238

MECHANICAL	NOMINAL VALUE	UNIT	TEST METHOD
Tensile Strength ² (Yield)	26.0	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Flexural Modulus	1310	MPa	ASTM D790

NOTES

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

² 51 mm/min

