



ColorRx® POM1-1000RX

PRODUCT DESCRIPTION POM1-1000RX is a medium flow injection molding grade of acetal (POM) homopolymer with high mechanical strength and impact resistance. It is suitable for healthcare applications.

MATERIAL STATUS Commercial: Active

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

FEATURES Biocompatible, Fatigue Resistant, Good Impact Resistance, High Rigidity, Homopolymer, Medium Viscosity

USES Medical/Healthcare Applications

FORMS Pellets

PHYSICAL	NOMINAL VALUE	UNIT	TEST METHOD
Density / Specific Gravity	1.42	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	1.9	%	ASTM D955
Water Absorption (24 hr)	0.60	%	ASTM D570
MECHANICAL	NOMINAL VALUE	UNIT	TEST METHOD
Flexural Modulus ³	2900	MPa	ASTM D790
ELASTOMERS	NOMINAL VALUE	UNIT	TEST METHOD
Tensile Strength ³ (Yield)	68.9	MPa	ASTM D412
Tensile Elongation ³ (Yield)	17	%	ASTM D412
IMPACT	NOMINAL VALUE	UNIT	TEST METHOD
Notched Izod Impact (23°C)	210	J/m	ASTM D256
HARDNESS	NOMINAL VALUE	UNIT	TEST METHOD
Rockwell Hardness (M-Scale)	92		ASTM D785
THERMAL	NOMINAL VALUE	UNIT	TEST METHOD
Deflection Temperature Under Load 1.8 MPa, Unannealed	93.3	°C	ASTM D648

NOTES

¹ POM1-1000RX is a medium flow injection molding grade of Acetal (POM) Homopolymer with high mechanical strength and impact resistance. It is suitable for healthcare applications.

² Typical properties: these are not to be construed as specifications.

³ 51 mm/min

