



ColorRx® PP2-2700RX

PRODUCT DESCRIPTION PP2-2700RX is a biocompatible, high flow injection molding grade of Polypropylene random copolymer for healthcare applications. It is gamma radiation resistant and EtO and steam sterilizable at 121°C.

MATERIAL STATUS Commercial: Active

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

FEATURES Biocompatible, High Flow, Radiation (Gamma) Resistant, Random Copolymer

USES Medical/Healthcare Applications

FORMS Pellets

PHYSICAL	NOMINAL VALUE	UNIT	TEST METHOD
Density / Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	27	g/10 min	ASTM D1238
MECHANICAL	NOMINAL VALUE	UNIT	TEST METHOD
Tensile Strength ² (Yield)	30.3	MPa	ASTM D638
Tensile Elongation ² (Yield)	14	%	ASTM D638
Flexural Modulus ²	1000	MPa	ASTM D790
IMPACT	NOMINAL VALUE	UNIT	TEST METHOD
Notched Izod Impact (23°C)	75	J/m	ASTM D256
HARDNESS	NOMINAL VALUE	UNIT	TEST METHOD
Rockwell Hardness (R-Scale)	85		ASTM D785
THERMAL	NOMINAL VALUE	UNIT	TEST METHOD
Deflection Temperature Under Load 0.45 MPa, Unannealed	80.6	°C	ASTM D648

NOTES

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

² 51 mm/min

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