

ColorRx® PC-1000NB

Polycarbonate

LTL Color Compounders, Inc.

Message:

A 10 melt Polycarbonate designed for use in medical equipment enclosures, such as monitoring and imaging devices, where body contact is not an issue.

General Information			
Uses	Medical/Healthcare Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	70		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	62.1	MPa	
Break	68.9	MPa	
Tensile Elongation			ASTM D638
Yield	7.0	%	
Break	130	%	
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength	96.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	800	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	132	°C	ASTM D648

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