

ColorRx® FRPC-1000NB

Polycarbonate
LTL Color Compounders, Inc.

Message:
A flame retarded Polycarbonate, UL V0 rated, designed for use in medical equipment enclosures, such as monitoring and imaging devices, where body contact is not an issue.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
Uses	Medical/Healthcare Applications		
UL File Number	E178307		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	11	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	55.2	MPa	
Tensile Elongation			ASTM D638
Yield	7.0	%	
Break	90	%	
Flexural Modulus	2240	MPa	ASTM D790
Flexural Strength	91.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	640	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
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	V-2		
3.00 mm	V-0		

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