

# ColorRx® ABS-0500NB

Acrylonitrile Butadiene Styrene

LTL Color Compounders, Inc.

Message:

An ABS with improved indoor light stability 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		
UL File Number	E178307		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.80	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	44.1	MPa	
Break	31.0	MPa	
Tensile Elongation			ASTM D638
Yield	3.0	%	
Break	26	%	
Flexural Modulus	2140	MPa	ASTM D790
Flexural Strength	68.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	320	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	82.2	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94

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