

# ColorRx® PC2-1500RX

Polycarbonate

LTL Color Compounders, Inc.

## Message:

A biocompatible, 15 melt, high heat resistant Polycarbonate for healthcare applications.

| General Information |                                 |
|---------------------|---------------------------------|
| Features            | Biocompatible                   |
|                     | High Heat Resistance            |
| Uses                | Medical/Healthcare Applications |
| Agency Ratings      | ISO 10993                       |
|                     | USP Class VI                    |

| Physical                                                         | Nominal Value | Unit              | Test Method |
|------------------------------------------------------------------|---------------|-------------------|-------------|
| Specific Gravity                                                 | 1.17          | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR)                                        | 15            | g/10 min          | ASTM D1238  |
| Molding Shrinkage - Flow                                         | 0.70 to 0.80  | %                 | ASTM D955   |
| Water Absorption (23°C, 24 hr)                                   | 0.20          | %                 | ASTM D570   |
| Mechanical                                                       | Nominal Value | Unit              | Test Method |
| Tensile Strength (Yield)                                         | 64.1          | MPa               | ASTM D638   |
| Tensile Elongation                                               |               |                   | ASTM D638   |
| Yield                                                            | 7.0           | %                 |             |
| Break                                                            | 80            | %                 |             |
| Flexural Modulus                                                 | 2240          | 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, 6.40 mm) | 148           | °C                | ASTM D648   |

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