

# ColorRx® PC-2500RXR

Polycarbonate  
LTL Color Compounders, Inc.

Message:  
A biocompatible, high flow (25 melt) Polycarbonate with improved release for healthcare applications.

| General Information                                              |                                 |                   |             |
|------------------------------------------------------------------|---------------------------------|-------------------|-------------|
| Features                                                         | Biocompatible                   |                   |             |
|                                                                  | Good Mold Release               |                   |             |
|                                                                  | High Flow                       |                   |             |
| Uses                                                             | Medical/Healthcare Applications |                   |             |
| Agency Ratings                                                   | ISO 10993                       |                   |             |
|                                                                  | USP Class VI                    |                   |             |
| Physical                                                         | Nominal Value                   | Unit              | Test Method |
| Specific Gravity                                                 | 1.20                            | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR)                                        | 25                              | g/10 min          | ASTM D1238  |
| Molding Shrinkage - Flow                                         | 0.50 to 0.70                    | %                 | ASTM D955   |
| Water Absorption (23°C, 24 hr)                                   | 0.15                            | %                 | ASTM D570   |
| Hardness                                                         | Nominal Value                   | Unit              | Test Method |
| Rockwell Hardness (M-Scale)                                      | 70                              |                   | ASTM D785   |
| Mechanical                                                       | Nominal Value                   | Unit              | Test Method |
| Tensile Strength                                                 |                                 |                   | ASTM D638   |
| Yield                                                            | 61.7                            | MPa               |             |
| Break                                                            | 64.8                            | MPa               |             |
| Tensile Elongation                                               |                                 |                   | ASTM D638   |
| Yield                                                            | 6.0                             | %                 |             |
| Break                                                            | 120                             | %                 |             |
| Flexural Modulus                                                 | 2300                            | 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, 6.40 mm) | 126                             | °C                | ASTM D648   |

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