

# Alpha PVC 2222RX-75

Polyvinyl Chloride  
Mexichem Specialty Compounds Inc.

Message:

ALPHA PVC 2222RX-75 is formulated for the extrusion of tubing and other medical devices requiring exceptional resistance to color and physical property change under radiation sterilization. Alpha's 2222RX-75 meets USP Class VI Biocompatibility tests for disposable medical devices, while offering good tensile strength and thermal stability under a variety of processing conditions.  
Packaging: 50 lb bags or 1500 lb Gaylord boxes.

| General Information  |                          |                   |             |
|--|--------------------------|-------------------|-------------|
| Features   | Good color stability     |                   |             |
|  | Thermal stability, good  |                   |             |
|  | Biocompatibility         |                   |             |
| Uses   | Pipe fittings            |                   |             |
|  | Medical/nursing supplies |                   |             |
| Agency Ratings   | USP Class VI             |                   |             |
| RoHS Compliance  | Contact manufacturer     |                   |             |
| Appearance   | Available colors         |                   |             |
|  | Clear/transparent        |                   |             |
| Forms  | Cube                     |                   |             |
|  | Particle                 |                   |             |
| Processing Method  | Extrusion                |                   |             |
| Physical   | Nominal Value            | Unit              | Test Method |
| Specific Gravity   | 1.22                     | g/cm <sup>3</sup> | ASTM D792   |
| Hardness   | Nominal Value            | Unit              | Test Method |
| Durometer Hardness   |                          |                   | ASTM D2240  |
| Shaw A, 10 seconds, 3.18mm   | 75                       |                   | ASTM D2240  |
| Shaw A, 15 seconds, 6.35mm   | 73                       |                   | ASTM D2240  |
| Mechanical   | Nominal Value            | Unit              | Test Method |
| Tensile Strength   |                          |                   | ASTM D638   |
| Fracture   | 17.2                     | MPa               | ASTM D638   |
| 100% strain  | 6.89                     | MPa               | ASTM D638   |
| Tensile Elongation (Break)   | 370                      | %                 | ASTM D638   |
| Thermal  | Nominal Value            | Unit              | Test Method |
| Brittleness Temperature  | -38.0                    | °C                | ASTM D746   |
| Additional Information   |                          |                   |             |
| Graves Tear, ASTM D1004-90: 295 ppiBrabender Viscosity, LP176-7, 150°C, 32 rpm, 15 min: 1650 m-g |                          |                   |             |

| Extrusion        | Nominal Value | Unit |
|------------------|---------------|------|
| Melt Temperature | 166           | °C   |

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