

# ALPHAMED 2222C-85 CLEAR 0004

## Alphagary - Flexible Polyvinyl Chloride

### General Information

#### Product Description

ALPHAMED 2222C-85 Clear 0004 is an extrusion grade PVC compound produced from FDA-sanctioned ingredients. ALPHAMED 2222C-85 CLEAR 0004 has been specifically formulated for medical tubing and other non-toxic tubings such as those required for beverage and industrial applications. Excellent tensile, physical and rheological properties are among some of the unique features of this compound. It meets all requirements for biomedical Class VI and devices it is one of the most widely used compounds for urological tubing applications.

#### General

|                   |  |
|-------------------|--|
| Features          | • Non-Toxic  |
| Uses              | • Industrial Applications • Medical/Healthcare Applications • Tubing |
| Agency Ratings    | • FDA  |
| Appearance        | • Clear/Transparent  |
| Processing Method | • Extrusion  |

### Properties <sup>1</sup>

| Physical                                  | Nominal Value | Unit | Test Method |
|---|---------------|------|-------------|
| Density / Specific Gravity                | 1.23          |      | ASTM D792   |
| Mechanical                                | Nominal Value | Unit | Test Method |
| Tensile Modulus - 100% Secant (0.0750 in) | 1800          | psi  | ASTM D638   |
| Tensile Strength (0.0750 in)              | 3440          | psi  | ASTM D638   |
| Tensile Elongation (Break, 0.0750 in)     | 360           | %    | ASTM D638   |
| Hardness                                  | Nominal Value | Unit | Test Method |
| Durometer Hardness                        |               |      | ASTM D2240  |
| Shore A, 10 sec, 0.125 in                 | 85            |      |             |
| Shore A, 15 sec, 0.250 in                 | 83            |      |             |
| Thermal                                   | Nominal Value | Unit | Test Method |
| Brittleness Temperature                   | -25.6         | °F   | ASTM D746   |

### Processing Information

| Extrusion        | Nominal Value | Unit |
|------------------|---------------|------|
| Melt Temperature | 340 to 350    | °F   |