



# FLEXALLOY® 9616-94

Teknor Apex Company - Semi-Rigid Polyvinyl Chloride

## General Information

### General

|                 |                                          |                             |                 |
|-----------------|------------------------------------------|-----------------------------|-----------------|
| Material Status | • Commercial: Active                     |                             |                 |
| Availability    | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Features        | • UV Resistant                           |                             |                 |
| Uses            | • Wire & Cable Applications              |                             |                 |
| RoHS Compliance | • RoHS Compliant                         |                             |                 |
| Forms           | • Pellets                                |                             |                 |

## ASTM & ISO Properties <sup>1</sup>

| Physical                             | Nominal Value | Unit    | Test Method |
|--------------------------------------|---------------|---------|-------------|
| Density / Specific Gravity           | 1.46          |         | ASTM D792   |
| Mechanical                           | Nominal Value | Unit    | Test Method |
| Tensile Strength (Break)             | 2800          | psi     | ASTM D638   |
| Tensile Elongation (Break)           | 200           | %       | ASTM D638   |
| Flexural Modulus                     | 8700          | psi     | ASTM D790   |
| Hardness                             | Nominal Value | Unit    | Test Method |
| Durometer Hardness (Shore C, 10 sec) | 73            |         | ASTM D2240  |
| Thermal                              | Nominal Value | Unit    | Test Method |
| Continuous Use Temperature           | 167           | °F      | ASTM D794   |
| Brittleness Temperature              | -45.4         | °F      | ASTM D746   |
| Electrical                           | Nominal Value | Unit    | Test Method |
| Volume Resistivity                   | 3.6E+9        | ohms·cm | ASTM D257   |
| Dielectric Constant                  |               |         | ASTM D150   |
| 1 kHz                                | 4.81          |         |             |
| 1 MHz                                | 5.48          |         |             |
| Dissipation Factor                   |               |         | ASTM D150   |
| 1 kHz                                | 0.13          |         |             |
| 1 MHz                                | 0.043         |         |             |
| Flammability                         | Nominal Value | Unit    | Test Method |
| Oxygen Index                         | 38            | %       | ASTM D2863  |

### Additional Information

Data Sheet Applies to Color(s) Listed Below:  
Natural (1100916)

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.