

# FLEXALLOY® 9604-75

Teknor Apex Company - Polyvinyl Chloride Elastomer

Sunday, August 25, 2019

## General Information

### General

|                   |                                           |                                                         |                                  |
|-------------------|-------------------------------------------|---------------------------------------------------------|----------------------------------|
| Material Status   | • Commercial: Active                      |                                                         |                                  |
| Availability      | • Africa & Middle East<br>• Asia Pacific  | • Europe<br>• Latin America                             | • North America                  |
| Features          | • Abrasion Resistant<br>• Flame Retardant | • High Heat Resistance<br>• Low Temperature Flexibility | • Sunlight Resistant (720 hours) |
| Uses              | • Cable Jacketing                         |                                                         |                                  |
| Wire Types        | • SEOW<br>• SEW                           | • SJEOW<br>• SJEW                                       | • STEOW<br>• STEW                |
| Agency Ratings    | • UL Class 11<br>• UL Class 12            | • UL Class 36<br>• UL Class 43                          | • UL QMTT2                       |
| RoHS Compliance   | • RoHS Compliant                          |                                                         |                                  |
| Appearance        | • Opaque                                  |                                                         |                                  |
| Forms             | • Pellets                                 |                                                         |                                  |
| Processing Method | • Extrusion                               |                                                         |                                  |

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

| Physical                                  | Nominal Value | Unit     | Test Method |
|-------------------------------------------|---------------|----------|-------------|
| Density / Specific Gravity                | 1.30          |          | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 7.8           | g/10 min | ASTM D1238  |
| Mechanical                                | Nominal Value | Unit     | Test Method |
| Tensile Strength (Break)                  | 2440          | psi      | ASTM D638   |
| Tensile Elongation (Break)                | 380           | %        | ASTM D638   |
| Hardness                                  | Nominal Value | Unit     | Test Method |
| Durometer Hardness (Shore A, 15 sec)      | 80            |          | ASTM D2240  |
| Thermal                                   | Nominal Value | Unit     | Test Method |
| Continuous Use Temperature                | 221           | °F       | ASTM D794   |
| Brittleness Temperature                   | -52.6         | °F       | ASTM D746   |
| Electrical                                | Nominal Value | Unit     | Test Method |
| Dielectric Strength                       | 750           | V/mil    | ASTM D149   |
| Dielectric Constant                       |               |          | ASTM D150   |
| 1 kHz                                     | 5.56          |          |             |
| 1 MHz                                     | 3.75          |          |             |
| Dissipation Factor                        |               |          | ASTM D150   |
| 1 kHz                                     | 0.14          |          |             |
| 1 MHz                                     | 0.098         |          |             |
| Flammability                              | Nominal Value | Unit     | Test Method |
| Oxygen Index                              | 25            | %        | ASTM D2863  |

### Additional Information

Data Sheet Applies to Color(s) Listed Below:

Black (0113317)

Natural (0108524)

Natural 14 (0115783)

### Notes

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