

## Denka VINYKON W5120 PVC, W grade for non-migratory sheath and special items

Category : Polymer , Thermoplastic , Vinyl (PVC)

### Material Notes:

A PVC resin compound offering excellent physical properties and workability. A broad product lineup is available, including hard and soft grades, as well as those for extrusion and injection molding, etc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Denka-VINYKON-W5120-PVC-W-grade-for-non-migratory-sheath-and-special-items.php](http://www.lookpolymers.com/polymer_Denka-VINYKON-W5120-PVC-W-grade-for-non-migratory-sheath-and-special-items.php)

| Physical Properties | Metric    | English                   | Comments   |
|---------------------|-----------|---------------------------|------------|
| Density             | 1.37 g/cc | 0.0495 lb/in <sup>3</sup> | JIS-Z-8807 |
| Deformation         | 9.0 %     | 9.0 %                     | JIS-K-6723 |

| Mechanical Properties     | Metric     | English  | Comments   |
|---------------------------|------------|----------|------------|
| Hardness, Shore A         | 83         | 83       | JIS-K-6301 |
| Tensile Strength at Break | 19.62 MPa  | 2846 psi | JIS-K-6723 |
| Elongation at Break       | 315 %      | 315 %    | JIS-K-6723 |
| 100% Modulus              | 0.0113 GPa | 1.64 ksi | JIS-K-6723 |

| Thermal Properties               | Metric   | English  | Comments   |
|----------------------------------|----------|----------|------------|
| Minimum Service Temperature, Air | -25.0 °C | -13.0 °F | JIS-K-6723 |

| Electrical Properties | Metric               | English              | Comments   |
|-----------------------|----------------------|----------------------|------------|
| Volume Resistivity    | 8.00e+13 ohm-cm      | 8.00e+13 ohm-cm      | JIS-K-6723 |
|                       | @Temperature 60.0 °C | @Temperature 140 °F  |            |
|                       | 1.00e+15 ohm-cm      | 1.00e+15 ohm-cm      | JIS-K-6723 |
|                       | @Temperature 30.0 °C | @Temperature 86.0 °F |            |

| Descriptive Properties                           | Value | Comments   |
|--------------------------------------------------|-------|------------|
| Heating: Retention Rate of Elongation, %         | 98    | JIS-A-5756 |
| Heating: Retention Rate of Tensile Strength, %   | 100   | JIS-A-5756 |
| Oil Resistance: Retention of Tensile Strength, % | 94    | JIS-K-6723 |
| Oil Resistance: Retention Rate of Elongation, %  | 90    | JIS-K-6723 |

|                                 |       |          |
|---------------------------------|-------|----------|
| Thermostability min. JIS-K-6723 | >240  |          |
| Descriptive Properties          | Value | Comments |

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