

# Geon™ Vinyl Wire & Cable WR7400L

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™Vinyl Wire & Cable WR7400L is a flexible PVC product. It can be processed by extrusion coating and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Typical application areas are: wire and cable.

Features include:

ROHS certification

Flame Retardant

daylight resistance

| General Information   |                                |                   |             |
|---|--------------------------------|-------------------|-------------|
| Features  | Sunlight resistance, 720 hours |                   |             |
|   | Flame retardancy               |                   |             |
| Uses  | Cable sheath                   |                   |             |
|   | Wire and cable applications    |                   |             |
|   | cord sheath                    |                   |             |
| Wire Types  | SJT                            |                   |             |
|   | SJTO                           |                   |             |
| Agency Ratings  | UL QMTT2                       |                   |             |
| RoHS Compliance   | RoHS compliance                |                   |             |
| Forms   | Particle                       |                   |             |
| Processing Method   | Extrusion coating              |                   |             |
| Physical  | Nominal Value                  | Unit              | Test Method |
| Specific Gravity  | 1.26                           | g/cm <sup>3</sup> | ASTM D792   |
| Hardness  | Nominal Value                  | Unit              | Test Method |
| Durometer Hardness (Shore A, 15 sec)                          | 68                             |                   | ASTM D2240  |
| Mechanical  | Nominal Value                  | Unit              | Test Method |
| Tensile Strength <sup>1</sup> (Yield)                         | 15.5                           | MPa               | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Break)                       | 430                            | %                 | ASTM D638   |
| Aging   | Nominal Value                  | Unit              |             |
| Tensile strength retention rate <sup>3</sup> (121°C, 1.91 mm) | 110                            | %                 |             |
| Elongation retention rate <sup>4</sup> (121°C, 1.91 mm)       | 89                             | %                 |             |
| Thermal   | Nominal Value                  | Unit              | Test Method |
| Brittleness Temperature                                       | -50.0                          | °C                | ASTM D746   |
| UL Temperature Rating   | 105                            | °C                |             |
| Flammability  | Nominal Value                  | Unit              | Test Method |

|                        |    |   |            |
|------------------------|----|---|------------|
| Oxygen Index (3.18 mm) | 24 | % | ASTM D2863 |
|------------------------|----|---|------------|

|                        |
|------------------------|
| Additional Information |
|------------------------|

|                                |
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| 注释:模制厚板(0.075")的典型属性;不能视为技术规格. |
|--------------------------------|

|           |               |      |
|-----------|---------------|------|
| Extrusion | Nominal Value | Unit |
|-----------|---------------|------|

|                  |           |    |
|------------------|-----------|----|
| Melt Temperature | 155 - 165 | °C |
|------------------|-----------|----|

|      |
|------|
| NOTE |
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|    |                        |
|----|------------------------|
| 1. | Type 4, 510mm/min      |
| 2. | Type 4, 510mm/min      |
| 3. | 500 hours, UL standard |
| 4. | 500 hours, UL standard |

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