

# Geon™ Vinyl Wire & Cable WJJC346U

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™Vinyl Wire & Cable WJJC346U 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 Resistant          |                   |             |
|                                                                | Flame retardancy            |                   |             |
| Uses                                                           | Cable sheath                |                   |             |
|                                                                | Wire and cable applications |                   |             |
| RoHS Compliance                                                | RoHS compliance             |                   |             |
| Forms                                                          | Particle                    |                   |             |
| Processing Method                                              | Extrusion coating           |                   |             |
| Physical                                                       | Nominal Value               | Unit              | Test Method |
| Specific Gravity                                               | 1.45                        | g/cm <sup>3</sup> | ASTM D792   |
| Hardness                                                       | Nominal Value               | Unit              | Test Method |
| Durometer Hardness (Shore D, 15 sec)                           | 47                          |                   | ASTM D2240  |
| Mechanical                                                     | Nominal Value               | Unit              | Test Method |
| Tensile Strength <sup>1</sup> (Break)                          | 22.1                        | MPa               | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Break)                        | 300                         | %                 | ASTM D638   |
| Aging                                                          | Nominal Value               | Unit              | Test Method |
| Tensile strength retention rate <sup>3</sup> (100°C, 762.0 μm) | 95                          | %                 | ASTM D638   |
| Elongation retention rate <sup>4</sup> (100°C, 762.0 μm)       | 85                          | %                 | ASTM D638   |
| Thermal                                                        | Nominal Value               | Unit              | Test Method |
| Brittleness Temperature                                        | -28.0                       | °C                | ASTM D746   |
| UL Temperature Rating                                          | 75                          | °C                |             |
| Flammability                                                   | Nominal Value               | Unit              | Test Method |
| Oxygen Index (3.18 mm)                                         | 31                          | %                 | ASTM D2863  |
| Additional Information                                         |                             |                   |             |
| 注释:模制厚板的典型属性(0.075");不能视为技术规格.临时产品信息 - 基于首次生产的物理和机械属性.         |                             |                   |             |
| Extrusion                                                      | Nominal Value               | Unit              |             |
| Melt Temperature                                               | 171 - 188                   | °C                |             |

| NOTE |                        |
|------|------------------------|
| 1.   | Type 4, 510mm/min      |
| 2.   | Type 4, 510mm/min      |
| 3.   | 240 hours, UL standard |
| 4.   | 240 hours, UL standard |

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