

# Geon™ Vinyl Flexible A85U65

Flexible Polyvinyl Chloride

PolyOne Corporation

## Message:

General Purpose Clear PVC Compound with low level of UV inhibitor for interior applications containing ingredients not on Californis's Proposition 65 listings.

| General Information |                   |
|---------------------|-------------------|
| Features            | General Purpose   |
| Uses                | Flooring          |
|                     | General Purpose   |
|                     | Hose              |
|                     | Tubing            |
| Appearance          | Clear/Transparent |
| Forms               | Pellets           |
| Processing Method   | Extrusion         |
|                     | Injection Molding |
|                     | Sheet Extrusion   |

| Physical                                | Nominal Value | Unit              | Test Method |
|-----------------------------------------|---------------|-------------------|-------------|
| Specific Gravity                        | 1.21          | g/cm <sup>3</sup> | ASTM D792   |
| Hardness                                | Nominal Value | Unit              | Test Method |
| Durometer Hardness (Shore A, 15 sec)    | 81            |                   | ASTM D2240  |
| Mechanical                              | Nominal Value | Unit              | Test Method |
| Tensile Strength <sup>1</sup>           |               |                   | ASTM D638   |
| Break                                   | 17.2          | MPa               |             |
| 100% Strain                             | 10.2          | MPa               |             |
| Tensile Elongation <sup>2</sup> (Break) | 360           | %                 | ASTM D638   |
| Elastomers                              | Nominal Value | Unit              | Test Method |
| Tear Strength <sup>3</sup>              | 73.2          | kN/m              | ASTM D624   |
| Thermal                                 | Nominal Value | Unit              | Test Method |
| Brittleness Temperature                 | -26.5         | °C                | ASTM D746   |
| Injection                               | Nominal Value | Unit              | Test Method |
| Processing (Melt) Temp                  | 185 to 196    | °C                |             |
| Extrusion                               | Nominal Value | Unit              | Test Method |
| Melt Temperature                        | 177 to 182    | °C                |             |
| NOTE                                    |               |                   |             |
| 1.                                      | 510 mm/min    |                   |             |
| 2.                                      | 510 mm/min    |                   |             |

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