

# Geon™ Vinyl Flexible A65M0

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Interior applications.

| General Information                     |                     |                   |             |
|-----------------------------------------|---------------------|-------------------|-------------|
| Features                                | High Gloss          |                   |             |
|                                         | Low to No Migration |                   |             |
| Appearance                              | Clear/Transparent   |                   |             |
| Forms                                   | Pellets             |                   |             |
| Processing Method                       | Extrusion           |                   |             |
|                                         | Injection Molding   |                   |             |
| Physical                                | Nominal Value       | Unit              | Test Method |
| Specific Gravity                        | 1.24                | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow                | 2.3 to 2.7          | %                 | ASTM D955   |
| Hardness                                | Nominal Value       | Unit              | Test Method |
| Durometer Hardness                      |                     |                   | ASTM D2240  |
| Shore A                                 | 65                  |                   |             |
| Shore A, 15 sec                         | 60                  |                   |             |
| Mechanical                              | Nominal Value       | Unit              | Test Method |
| Tensile Strength <sup>1</sup>           |                     |                   | ASTM D638   |
| Break                                   | 12.4                | MPa               |             |
| 100% Strain                             | 6.76                | MPa               |             |
| Tensile Elongation <sup>2</sup> (Break) | 340                 | %                 | ASTM D638   |
| Elastomers                              | Nominal Value       | Unit              | Test Method |
| Tear Strength <sup>3</sup>              | 43.8                | kN/m              | ASTM D624   |
| Compression Set (23°C, 22 hr)           | 45                  | %                 | ASTM D395   |
| Thermal                                 | Nominal Value       | Unit              | Test Method |
| Brittleness Temperature                 | -34.4               | °C                | ASTM D746   |
| Optical                                 | Nominal Value       | Unit              | Test Method |
| Transmittance <sup>4</sup> (1910 µm)    | 85.0                | %                 | ASTM D1003  |
| Haze (1910 µm)                          | 3.0                 | %                 | ASTM D1003  |
| Injection                               | Nominal Value       | Unit              |             |
| Processing (Melt) Temp                  | 188 to 199          | °C                |             |
| Extrusion                               | Nominal Value       | Unit              |             |
| Melt Temperature                        | 174 to 179          | °C                |             |
| NOTE                                    |                     |                   |             |

|    |                   |
|----|-------------------|
| 1. | 510 mm/min        |
| 2. | 510 mm/min        |
| 3. | Die C, 510 mm/min |
| 4. | CIE Illuminant C  |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

