

# Geon™ Vinyl Flexible 86155

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

The composite material has met NSF standard 61 and is limited to plate applications.

| General Information |                              |
|---------------------|------------------------------|
| Features            | Compliance of Food Exposure  |
| Agency Ratings      | FDA Food Exposure, Not Rated |
|                     | NSF 61                       |
| Forms               | Particle                     |
| Processing Method   | Extrusion                    |
|                     | Injection molding            |

| Physical                                | Nominal Value | Unit              | Test Method |
|-----------------------------------------|---------------|-------------------|-------------|
| Specific Gravity                        | 1.24          | g/cm <sup>3</sup> | ASTM D792   |
| Hardness                                | Nominal Value | Unit              | Test Method |
| Durometer Hardness                      |               |                   | ASTM D2240  |
| Shaw A                                  | 90            |                   | ASTM D2240  |
| Shaw A, 15 seconds                      | 84            |                   | ASTM D2240  |
| Mechanical                              | Nominal Value | Unit              | Test Method |
| Tensile Strength <sup>1</sup>           |               |                   | ASTM D638   |
| Fracture                                | 18.3          | MPa               | ASTM D638   |
| 100% strain                             | 10.7          | MPa               | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Break) | 400           | %                 | ASTM D638   |
| Elastomers                              | Nominal Value | Unit              | Test Method |
| Tear Strength <sup>3</sup>              | 76.2          | kN/m              | ASTM D624   |
| Thermal                                 | Nominal Value | Unit              | Test Method |
| Brittleness Temperature                 | -27.0         | °C                | ASTM D746   |

| Additional Information                                                                                                                                      |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 注释:本化合物配方中所用的全部成分均在美国食品及药物管理局《联邦法规法典》第21章中列出.唯一的限制是,增塑剂 “仅用于高含水量食物” .该材料也列于NSF标准 61.该清单涵盖根据不同场合可能适用的许多用途和限制. 由用户负责确保此化合物适用于其预期用途. 请与我们联系,检查特定产品在特定应用场合的适用性. |  |

| NOTE |                   |
|------|-------------------|
| 1.   | Type 4, 510mm/min |
| 2.   | Type 4, 510mm/min |
| 3.   | C mold, 510mm/min |

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## 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



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