

Geon™ HC 2165

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon HC 2165 is a 65 Shore A non-phthalate flexible vinyl compound made from FDA sanctioned ingredients. HC 2165 can be used for extrusion and injection molding healthcare applications.

| General Information | | | |
|---|-----------------------------|-------------------|-------------|
| Features | Non-phthalate plasticizer | | |
| | Ethylene oxide disinfection | | |
| | Workability, good | | |
| | Definition, high | | |
| | BPA-free | | |
| Uses | Disposable Hospital Goods | | |
| | Personal care | | |
| | Pipe fittings | | |
| | Connector | | |
| | Medical/nursing supplies | | |
| | Medical equipment | | |
| | Medical devices | | |
| Agency Ratings | FDA not rated | | |
| Appearance | Clear/transparent | | |
| Forms | Particle | | |
| Processing Method | Extrusion | | |
| | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.20 | g/cm ³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A, 15 sec) | 65 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ | | | ASTM D638 |
| Fracture | 13.4 | MPa | ASTM D638 |
| 100% strain | 5.86 | MPa | ASTM D638 |
| Tensile Elongation ² (Break) | 490 | % | ASTM D638 |
| Thermal | Nominal Value | Unit | Test Method |
| Brittleness Temperature | -34.4 | °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”.本说明仅为食品及药物管理局清单关于该产品内容的概述.由用户负责确保此化合物适用于其预期应用.

NOTE

- | | |
|----|-------------------|
| 1. | Type 4, 510mm/min |
| 2. | Type 4, 510mm/min |

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