

# Geon™ Vinyl Packaging 161JA White

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Packaging 161JA White is a Rigid Polyvinyl Chloride product. It can be processed by blow molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ Vinyl Packaging 161JA White include bottles and packaging. Characteristics include:  
High Gloss  
Impact Resistant

| General Information  |                        |                   |             |
|--|------------------------|-------------------|-------------|
| Features   | General Purpose        |                   |             |
|  | High Gloss             |                   |             |
|  | High Impact Resistance |                   |             |
| Uses   | Bottles                |                   |             |
|  | General Purpose        |                   |             |
|  | Packaging              |                   |             |
| Appearance   | Opaque                 |                   |             |
| Forms  | Pellets                |                   |             |
| Processing Method  | Blow Molding           |                   |             |
| Physical   | Nominal Value          | Unit              | Test Method |
| Specific Gravity   |                        |                   |             |
| --   | 1.35                   | g/cm <sup>3</sup> | ASTM D792   |
| --   | 0.801                  | g/cm <sup>3</sup> | ASTM D1505  |
| Hardness   | Nominal Value          | Unit              | Test Method |
| Durometer Hardness (Shore D)                                     | 80                     |                   | ASTM D2240  |
| Mechanical   | Nominal Value          | Unit              | Test Method |
| Tensile Modulus <sup>1</sup>                                     | 2320                   | MPa               | ASTM D638   |
| Tensile Strength <sup>2</sup> (Yield)                            | 43.1                   | MPa               | ASTM D638   |
| Flexural Modulus   | 2680                   | MPa               | ASTM D790   |
| Flexural Strength  | 73.8                   | MPa               | ASTM D790   |
| Impact   | Nominal Value          | Unit              | Test Method |
| Notched Izod Impact (23°C, 3.18 mm, Injection Molded)            | 1100                   | J/m               | ASTM D256A  |
| Thermal  | Nominal Value          | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm) | 66.7                   | °C                | ASTM D648   |
| Additional Information   | Nominal Value          | Unit              |             |
| Blow Molding Temperature   | 199 to 213             | °C                |             |
| NOTE   |                        |                   |             |

|    |                    |
|----|--------------------|
| 1. | Type I, 5.1 mm/min |
| 2. | Type I, 51 mm/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

