

**PolyOne Geon™ Vinyl Packaging 2710 Polyvinyl Chloride, Rigid (PVC, Rigid)**

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Rigid Grade

Material Notes:

This product is available in opaque and transparent colors.Information provided by PolyOne

Order this product through the following link:  
[http://www.lookpolymers.com/polymer\\_PolyOne-Geon-Vinyl-Packaging-2710-Polyvinyl-Chloride-Rigid-PVC-Rigid.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Packaging-2710-Polyvinyl-Chloride-Rigid-PVC-Rigid.php)

| Physical Properties | Metric     | English       | Comments   |
|---------------------|------------|---------------|------------|
| Specific Gravity    | 1.32 g/cc  | 1.32 g/cc     | ASTM D792  |
| Density             | 0.833 g/cc | 0.0301 lb/in³ | ASTM D1505 |

| Mechanical Properties   | Metric                                                  | English                                                      | Comments                      |
|-------------------------|---------------------------------------------------------|--------------------------------------------------------------|-------------------------------|
| Hardness, Shore D       | 80                                                      | 80                                                           | ASTM D2240                    |
| Tensile Strength, Yield | 48.5 MPa                                                | 7030 psi                                                     | Type I, 5.1 mm/min; ASTM D638 |
| Tensile Modulus         | 2.53 GPa                                                | 367 ksi                                                      | Type I, 5.1 mm/min; ASTM D638 |
| Flexural Strength       | 82.7 MPa                                                | 12000 psi                                                    | ASTM D790                     |
| Flexural Modulus        | 2.80 GPa                                                | 406 ksi                                                      | ASTM D790                     |
| Izod Impact, Notched    | 1.20 J/cm<br>@Thickness 3.18 mm,<br>Temperature 23.0 °C | 2.25 ft-lb/in<br>@Thickness 0.125 in,<br>Temperature 73.4 °F | Injection Molded; ASTM D256A  |

| Thermal Properties                          | Metric                        | English                        | Comments              |
|---------------------------------------------|-------------------------------|--------------------------------|-----------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 19.4 °C<br>@Thickness 3.18 mm | 66.9 °F<br>@Thickness 0.125 in | Unannealed; ASTM D648 |

| Optical Properties    | Metric                                              | English                                              | Comments        |
|-----------------------|-----------------------------------------------------|------------------------------------------------------|-----------------|
| Transmission, Visible | 39.5 %<br>@Thickness 0.762 mm,<br>Wavelength 700 nm | 39.5 %<br>@Thickness 0.0300 in,<br>Wavelength 700 nm | Internal Method |

| Descriptive Properties | Value                                | Comments |
|------------------------|--------------------------------------|----------|
| Additive               | UV Stabilizer                        |          |
| Agency Ratings         | FDA Food Contact, Unspecified Rating |          |
| Features               | Food Contact Acceptable              |          |

| Descriptive Properties | Value                                  | Comments |
|------------------------|----------------------------------------|----------|
|                        | High Gloss                             |          |
|                        | High Impact Resistance                 |          |
| Forms                  | Pellets                                |          |
| Generic Material       | PVC, Rigid                             |          |
| Generic Name           | Polyvinyl Chloride, Rigid (PVC, Rigid) |          |
| Processing Method      | Injection Blow Molding                 |          |
| Regional Availability  | Africa & Middle East                   |          |
|                        | Asia Pacific                           |          |
|                        | Europe                                 |          |
|                        | North America                          |          |
|                        | South America                          |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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