# Axiall PVC 9211J

## Polyvinyl Chloride

## **Axiall Corporation**

#### Message:

Georgia Gulf 9211J is a food grade vinyl compound designed to maximize clarity. It is suitable for use in a variety of food, cosmetic, and personal care products.

| General Information                                     |                                |         |                 |
|---|--------------------------------|---------|-----------------|
| Features  | Food Contact Acceptable        |         |                 |
|   | High Clarity                   |         |                 |
|   |                                |         |                 |
| Uses  | Cosmetics                      |         |                 |
|   | Non-specific Food Applications |         |                 |
|   | Personal Care                  |         |                 |
| Appearance  | Clear/Transparent              |         |                 |
| Physical  | Nominal Value                  | Unit    | Test Method     |
| Specific Gravity  | 1.32                           | g/cm³   | ASTM D792       |
| Hardness  | Nominal Value                  | Unit    | Test Method     |
| Rockwell Hardness (R-Scale)                             | 113                            | Offic   | ASTM D785       |
| Mechanical  | Nominal Value                  | Unit    | Test Method     |
|   |                                |         |                 |
| Tensile Modulus   | 2650                           | MPa     | ASTM D638       |
| Tensile Strength (Yield)                                | 46.9                           | MPa     | ASTM D638       |
| Flexural Strength                                       | 75.8                           | MPa<br> | ASTM D790       |
| Impact  | Nominal Value                  | Unit    | Test Method     |
| Notched Izod Impact                                     |                                |         | ASTM D256       |
| 23°C <sup>1</sup>                                       | 130                            | J/m     |                 |
| 23°C <sup>2</sup>                                       | 800                            | J/m     |                 |
| Tensile Impact Strength                                 | 168                            | kJ/m²   | ASTM D1822      |
| Thermal   | Nominal Value                  | Unit    | Test Method     |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 60.0                           | °C      | ASTM D648       |
| Optical   | Nominal Value                  | Unit    | Test Method     |
| Transmittance <sup>3</sup> (3180 μm)                    | 84.0                           | %       | ASTM D1003      |
| Haze <sup>4</sup> (3180 μm)                             | 4.0                            | %       | ASTM D1003      |
| Additional Information                                  | Nominal Value                  | Unit    | Test Method     |
| Equilibrium Torque <sup>5</sup> (190°C)                 | 13.7                           | J       | Internal Method |
| Stability Time  | 36.0                           | min     | Internal Method |
| NOTE  |                                |         |                 |
| 1.  | 3.2 mm Notch Depth             |         |                 |
| 2.  | 6.4 mm Notch Depth             |         |                 |

| 3. | Pressed plastic                    |
|----|------------------------------------|
| 4. | Pressed plastic                    |
|    | Barbender Plastograph No. 6 Roller |
| 5. | Head 190°C- 57 gm: 60/43rpm        |

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