

# Axiall PVC 3217

Rigid Polyvinyl Chloride

Axiall Corporation

## Message:

Georgia Gulf 3217 is a powder blend designed for the extrusion of window, door, fence and marine profiles where weatherability is of primary consideration.

| General Information                                     |                                 |                   |             |
|---|---------------------------------|-------------------|-------------|
| Features  | Good Weather Resistance         |                   |             |
| Uses  | Marine Applications<br>Profiles |                   |             |
| Forms   | Powder                          |                   |             |
| Processing Method                                       | Extrusion                       |                   |             |
| Physical  | Nominal Value                   | Unit              | Test Method |
| Specific Gravity  | 1.47                            | g/cm <sup>3</sup> | ASTM D792   |
| Hardness  | Nominal Value                   | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                             | 88                              |                   | ASTM D785   |
| Durometer Hardness (Shore D)                            | 81                              |                   | ASTM D2240  |
| Mechanical  | Nominal Value                   | Unit              | Test Method |
| Tensile Modulus   | 2720                            | MPa               | ASTM D638   |
| Tensile Strength (Yield)                                | 43.4                            | MPa               | ASTM D638   |
| Flexural Modulus  | 2960                            | MPa               | ASTM D790   |
| Flexural Strength                                       | 89.6                            | MPa               | ASTM D790   |
| Impact  | Nominal Value                   | Unit              | Test Method |
| Notched Izod Impact (23°C, 3.18 mm)                     | 80                              | J/m               | ASTM D256   |
| Tensile Impact Strength                                 | 137                             | kJ/m <sup>2</sup> | ASTM D1822  |
| Thermal   | Nominal Value                   | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 66.7                            | °C                | ASTM D648   |
| Extrusion   | Nominal Value                   | Unit              |             |
| Melt Temperature  | 193                             | °C                |             |

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