# AuroraFlex™ GA 103801

## Aurora Material Solutions, LLC - *Flexible Polyvinyl Chloride*

### General Information

| **Product Description** | | | |
|---|---|---|---|
| 75°C TW Material that meets Subjects 62, 83, and 1063 insulation. This compound can pass the UL 720-hour sunlight resistance test in any color. | | | |
| **General** | | | |
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Features | • UV Resistant | | |
| Uses | • Insulation | • Wire & Cable Applications | |
| Appearance | • Colors Available | | |
| Processing Method | • Extrusion | | |

### Properties [1]

| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
|---|---|---|---|
| Density / Specific Gravity | 1.40 | | ASTM D792 |
| **Elastomers** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Strength (Break) | 2500 | psi | ASTM D412 |
| Tensile Elongation (Break) | 300 | % | ASTM D412 |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Durometer Hardness (Shore A, 15 sec) | 87 | | ASTM D2240 |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Brittleness Temperature | 1.40 | °F | ASTM D746 |
| **Aging** | **Nominal Value** | **Unit** | **Test Method** |
| Change in Tensile Strength [2] (212°F, 240 hr) | 0.0 | % | UL 1581 |
| Change in Ultimate Elongation (212°F, 240 hr) | < -20 | % | UL 1581 |
| **Electrical** | **Nominal Value** | **Unit** | **Test Method** |
| Volume Resistivity | 3.3E+12 | ohms·cm | ASTM D257 |
| **Flammability** | **Nominal Value** | **Unit** | **Test Method** |
| Oxygen Index [3] | 24 | % | ASTM D2863 |

### Processing Information

| **Extrusion** | **Nominal Value** | **Unit** |
|---|---|---|
| Drying Temperature | 194 | °F |
| Drying Time | 4.0 | hr |
| Cylinder Zone 1 Temp. | 325 | °F |
| Cylinder Zone 2 Temp. | 330 | °F |
| Cylinder Zone 3 Temp. | 335 | °F |
| Cylinder Zone 4 Temp. | 340 | °F |
| Cylinder Zone 5 Temp. | 345 | °F |
| Adapter Temperature | 355 | °F |
| Melt Temperature | 329 to 347 | °F |
| Die Temperature | 360 | °F |

### Notes

[1] Typical properties: these are not to be construed as specifications.

[2] Tensile strength will gain <10% after aging test

[3] Value is intended as reference only