

**AuroraFlex™ GA-220122W**

Aurora Material Solutions, LLC - *Thermoplastic Elastomer*
**General Information**
**Product Description**

A 105°C , TPE jacketing compound, flame retardant, RoHS Compliant, with excellent low temperature properties.

**General**

|                 |                        |                             |                 |
|-----------------|------------------------|-----------------------------|-----------------|
| Material Status | • Commercial: Active   |                             |                 |
| Availability    | • Africa & Middle East | • Europe                    | • North America |
|                 | • Asia Pacific         | • Latin America             |                 |
| Additive        | • Flame Retardant      |                             |                 |
| Features        | • Flame Retardant      | • Low Temperature Toughness |                 |
| Uses            | • Jacketing            |                             |                 |
| RoHS Compliance | • RoHS Compliant       |                             |                 |

**Properties <sup>1</sup>**

| <b>Physical</b>                         | <b>Nominal Value</b> | <b>Unit</b> | <b>Test Method</b> |
|---|----------------------|-------------|--------------------|
| Density / Specific Gravity              | 1.30 to 1.36         |             | ASTM D792          |
| <b>Elastomers</b>                       | <b>Nominal Value</b> | <b>Unit</b> | <b>Test Method</b> |
| Tensile Stress (100% Strain)            | 1100                 | psi         | ASTM D638          |
| Tensile Strength <sup>2</sup> (Break)   | 2200                 | psi         | ASTM D412          |
| Tensile Elongation <sup>2</sup> (Break) | 400                  | %           | ASTM D412          |
| <b>Hardness</b>                         | <b>Nominal Value</b> | <b>Unit</b> | <b>Test Method</b> |
| Durometer Hardness (Shore A, 15 sec)    | 79 to 85             |             | ASTM D2240         |
| <b>Thermal</b>                          | <b>Nominal Value</b> | <b>Unit</b> | <b>Test Method</b> |
| Brittleness Temperature                 | -63.4                | °F          | ASTM D746          |
| Deformation - 2 kg (302°F)              | 108                  | °F          | UL 2556            |
| <b>Aging</b>                            | <b>Nominal Value</b> | <b>Unit</b> | <b>Test Method</b> |
| Change in Tensile Strength              |                      |             | ASTM D412          |
| 212°F, 96 hr, in Oil                    | -10                  | %           |                    |
| 277°F, 168 hr                           | -5.0                 | %           |                    |
| Change in Ultimate Elongation           |                      |             | ASTM D412          |
| 212°F, 96 hr, in Oil                    | -18                  | %           |                    |
| 277°F, 168 hr                           | -20                  | %           |                    |
| <b>Flammability</b>                     | <b>Nominal Value</b> | <b>Unit</b> | <b>Test Method</b> |
| Oxygen Index                            | 30                   | %           | ASTM D2863         |

**Processing Information**

| <b>Extrusion</b>      | <b>Nominal Value</b> | <b>Unit</b> |
|-----------------------|----------------------|-------------|
| Cylinder Zone 1 Temp. | 325                  | °F          |
| Cylinder Zone 2 Temp. | 330                  | °F          |
| Cylinder Zone 3 Temp. | 335                  | °F          |
| Cylinder Zone 4 Temp. | 340                  | °F          |
| Melt Temperature      | 330                  | °F          |
| Die Temperature       | 340 to 345           | °F          |

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Die C
