

**AuroraFlex™ 8068NE**

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

A SEBS based thermoplastic elastomer designed for extrusion applications.

**General**

|                   |  |                             |                 |
|-------------------|--|-----------------------------|-----------------|
| Material Status   | • Commercial: Active                     |                             |                 |
| Availability      | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Uses              | • Consumer Applications                  | • Industrial Applications   | • Overmolding   |
| Processing Method | • Extrusion                              | • Injection Molding         |                 |

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

| Physical                                 | Nominal Value | Unit     | Test Method |
|--|---------------|----------|-------------|
| Density / Specific Gravity               | 0.972         |          | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (200°C/5.0 kg) | 1.5           | g/10 min | ASTM D1238  |
| Elastomers                               | Nominal Value | Unit     | Test Method |
| Tensile Stress (100% Strain)             | 363           | psi      | ASTM D412   |
| Tensile Strength                         | 2600          | psi      | ASTM D412   |
| Tensile Elongation (Break)               | 840           | %        | ASTM D412   |
| Hardness                                 | Nominal Value | Unit     | Test Method |
| Durometer Hardness (Shore A, 10 sec)     | 68            |          | ASTM D2240  |

**Processing Information**

| Injection               | Nominal Value      | Unit |
|-------------------------|--------------------|------|
| Rear Temperature        | 345 to 376         | °F   |
| Front Temperature       | 354 to 385         | °F   |
| Nozzle Temperature      | 365 to 399         | °F   |
| Mold Temperature        | 70 to 100          | °F   |
| Injection Rate          | Fast               |      |
| Back Pressure           | 50.0 to 99.9       | psi  |
| Screw Compression Ratio | 2.5:1.0 to 3.0:1.0 |      |

