

Technical Data Sheet  
**Alcryn® 2095 BK**  
Melt Processable Rubber  
Engineering Plastics



| General           |                                                                    |                                                        |                                                    |
|-------------------|--------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------|
| Additive          | • UV Stabilizer                                                    |                                                        |                                                    |
| Features          | • High Flow<br>• High Heat Resistance<br>• Noise Damping           | • Oil Resistant<br>• Ozone Resistant<br>• UV Resistant | • Vibration Damping<br>• Weather Resistant         |
| Uses              | • Cable Jacketing<br>• Engineering Parts<br>• Fabrics<br>• Gaskets | • Handles<br>• Hose<br>• Seals<br>• Sheet              | • Tubing<br>• Weatherstripping<br>• Wire Jacketing |
| Agency Ratings    | • EU 2002/96/EC (WEEE)                                             |                                                        |                                                    |
| RoHS Compliance   | • RoHS Compliant                                                   |                                                        |                                                    |
| Appearance        | • Black                                                            |                                                        |                                                    |
| Forms             | • Pellets                                                          |                                                        |                                                    |
| Processing Method | • Blow Molding<br>• Compression Molding                            | • Extrusion<br>• Injection Molding                     |                                                    |

| Physical                   | Nominal Value (English) | Nominal Value (SI) | Test Method |
|----------------------------|-------------------------|--------------------|-------------|
| Density / Specific Gravity |                         |                    |             |
| --                         | 1.17                    | 1.17 g/cm³         | ASTM D792   |
| --                         | 1.17 g/cm³              | 1.17 g/cm³         | ISO 1183    |

| Mechanical                                     | Nominal Value (English) | Nominal Value (SI) | Test Method            |
|------------------------------------------------|-------------------------|--------------------|------------------------|
| Tensile Modulus                                |                         |                    | ASTM D638<br>ISO 527-2 |
| 0.0750 in (1.91 mm), Compression Molded        | 1230 psi                | 8.48 MPa           |                        |
| Tensile Strength                               |                         |                    | ASTM D638<br>ISO 527-2 |
| Yield, 0.0750 in (1.91 mm), Compression Molded | 1900 psi                | 13.1 MPa           |                        |
| Tensile Elongation                             |                         |                    | ASTM D638<br>ISO 527-2 |
| Break, 0.0750 in (1.91 mm), Compression Molded | 300 %                   | 300 %              |                        |

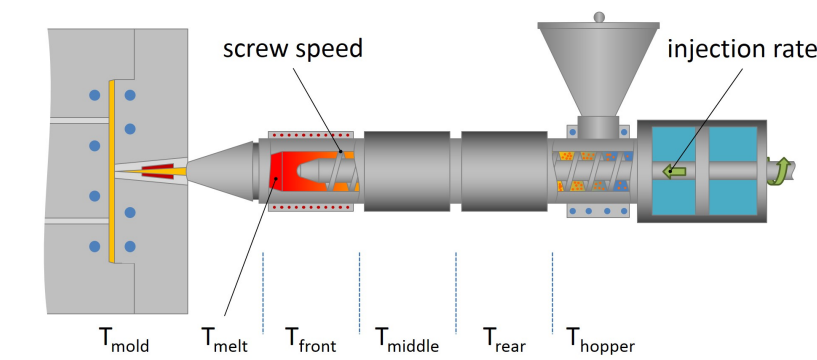
| Elastomers                               | Nominal Value (English) | Nominal Value (SI) | Test Method |
|------------------------------------------|-------------------------|--------------------|-------------|
| Tensile Set                              | 24 %                    | 24 %               | ASTM D412   |
| Tear Strength <sup>1</sup> (75°F (24°C)) | 355 lbf/in              | 62.2 kN/m          | ASTM D624   |

| Hardness                                         | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--------------------------------------------------|-------------------------|--------------------|-------------|
| Durometer Hardness                               |                         |                    | ASTM D2240  |
| Shore A, 0.0750 in (1.91 mm), Compression Molded | 93                      | 93                 |             |
| IRHD Hardness                                    | 93                      | 93                 | ISO 48      |

| Aging                                    | Nominal Value (English) | Nominal Value (SI) | Test Method |
|------------------------------------------|-------------------------|--------------------|-------------|
| Change in Volume                         |                         |                    | ASTM D471   |
| 75°F (24°C), 168 hr, in Reference Fuel B | 43 %                    | 43 %               |             |
| 212°F (100°C), 168 hr, in ASTM #1 Oil    | -10 %                   | -10 %              |             |
| 212°F (100°C), 168 hr, in ASTM #3 Oil    | 31 %                    | 31 %               |             |

| Additional Information                                                                            |  |
|---------------------------------------------------------------------------------------------------|--|
| The value listed as Density-Specific Gravity, ASTM D792, was tested in accordance with ASTM D471. |  |
| Fluid Resistance 7 Days in ASTM Oil no. 1, ISO 1817, at 212 °F: -1%                               |  |
| Fluid Resistance 7 Days in IRM 903 Oil no. 3, ISO 1817, at 212 °F: 31%                            |  |
| Fluid Resistance 7 Days in ASTM Ref. Fuel no. B, ISO 1817, at 75 °F: 43%                          |  |
| Rheological Viscosity, ASTM D3835, 1/300s at 374°F: 820Pa-s                                       |  |

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| Injection              | Nominal Value (English) | Nominal Value (SI) |
|------------------------|-------------------------|--------------------|
| Processing (Melt) Temp | 350 °F                  | 177 °C             |

**Notes**  
<sup>1</sup> Die C

**Notes**  
These are typical property values not to be construed as specification limits.