

AuroraGuard™ F00801

Aurora Material Solutions, LLC - Polypropylene

General Information
Product Description

Polypropylene, UL94 V0 rated

Formerly known as EnDure F00801

General

| | | | |
|-------------------|---------------------------|---------------------------|---------------------|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East | • Europe | • North America |
| | • Asia Pacific | • Latin America | |
| Uses | • Automotive Applications | • Lawn & Garden Equipment | • Material Handling |
| Appearance | • Black | • Colors Available | • Natural Color |
| Processing Method | • Injection Molding | • Profile Extrusion | |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|----------------|----------|-------------|
| Density / Specific Gravity | 0.992 | | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 8.0 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow (0.126 in) | 0.016 to 0.022 | in/in | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 4930 | psi | ASTM D638 |
| Flexural Modulus | 210000 | psi | ASTM D790 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed) | 205 | °F | ASTM D648 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | | | UL 94 |
| 0.06 in | | V-0 | |
| 0.12 in | | V-0 | |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|---------------|------|
| Rear Temperature | 350 to 400 | °F |
| Middle Temperature | 390 to 450 | °F |
| Front Temperature | 390 to 450 | °F |
| Nozzle Temperature | 390 to 450 | °F |
| Processing (Melt) Temp | 350 to 400 | °F |
| Mold Temperature | 100 to 150 | °F |

