# Edgetek™ ET7400-0001 Natural

## General Purpose Polystyrene

### Key Characteristics

| Product Description |
|---|
| The Edgetek® Engineering Thermoplastic Compounds portfolio covers a broad range of standard and custom-formulated high performance materials. This portfolio includes high-temperature materials for elevated service temperature environments, high-modulus / structural materials for load-bearing and high-strength applications and flame-retardant products. These compounds are based on select engineering thermoplastic resins that are compounded with reinforcing additives such as carbon fiber, glass fiber and glass beads. |

| General | | | |
|---|---|---|---|
| Material Status | • Commercial: Active | | |
| Regional Availability | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Filler / Reinforcement | • Mineral | | |
| RoHS Compliance | • RoHS Compliant | | |
| Forms | • Pellets | | |

### Technical Properties [1]

| Physical | Typical Value (English) | Typical Value (SI) | Test Method |
|---|---|---|---|
| Density / Specific Gravity | 1.26 | 1.26 | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/3.8 kg) | 63 g/10 min | 63 g/10 min | ASTM D1238 |
| **Mechanical** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Tensile Strength [2] (Break) | 2100 psi | 14.5 MPa | ASTM D638 |
| Flexural Modulus [3] | 215000 psi | 1480 MPa | ASTM D790 |
| Flexural Strength [3] | 4000 psi | 27.6 MPa | ASTM D790 |
| **Impact** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Notched Izod Impact | 0.50 ft·lb/in | 27 J/m | ASTM D256 |

**Notes**

[1] Typical values are not to be construed as specifications.

[2] 0.20 in/min (5.1 mm/min)

[3] 0.050 in/min (1.3 mm/min)