

Technical Data Sheet
Matrixx FPE3A40CC
Polyethylene
Engineering Plastics



| General | |
|------------------------|-------------------------------------|
| Material Status | • Commercial: Active |
| Availability | • North America |
| Filler / Reinforcement | • Glass Fiber, 40% Filler by Weight |
| Features | • Chemically Coupled |
| Forms | • Pellets |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|-------------------------|------------------------|-------------|
| Density / Specific Gravity | 1.29 | 1.29 g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 6.0 g/10 min | 6.0 g/10 min | ASTM D1238 |
| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Strength (Yield) | 8600 psi | 59.3 MPa | ASTM D638 |
| Flexural Modulus | 740000 psi | 5100 MPa | ASTM D790 |
| Impact | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Notched Izod Impact | 1.6 ft·lb/in | 85 J/m | ASTM D256 |
| Flammability | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Flame Rating (0.06 in (1.5 mm)) | HB | HB | UL 94 |

Notes

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