# Purell PE GF 4760

(PE-HD)

LyondellBasell Industries

| Rheological properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Melt Flow Index, MFI | 0.4 | g/10min | ISO 1133 |
| MFI temperature | 190 | °C | - |
| MFI load | 2.16 | kg | - |

| Mechanical Properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Tensile Modulus | 1250 | MPa | ISO 527 |
| Yield stress | 27 | MPa | ISO 527 |
| Yield strain | 10 | % | ISO 527 |
| Notched Impact Strength (Charpy), -30°C | 8 | kJ/m² | ISO 179/1eA |
| Shore Hardness D (15s) | 62 | - | ISO 868 |
| Ball Indentation Hardness | 51 | MPa | ISO 2039-1 |

| Thermal Properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Vicat softening temperature, 50°C/h 50N | 77 | °C | ISO 306 |

| Other Properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Density | 956 | kg/m³ | ISO 1183 |
| Bulk density | 500 | kg/m³ | - |

## Characteristics

**Processing**

Injection Molding, Blow Molding

**Delivery form**

Pellets

**Special Characteristics**

Sterilizable, Ethylene Oxide (EtO) Sterilization

**Chemical Resistance**

Environmental Stress Crack Resistance, Oxidation Resistance

**Certifications**

Medical, Biocompatibility ISO 10993, US Pharmacopeia Class VI Approved, Drug Master File

**Applications**

Medical, Packaging

## Disclaimer