

Technical Data Sheet

# Accutech CP0436G40CL

Polypropylene Copolymer  
 LyondellBasell Industries  
 Engineering Plastics

**General**

|                        |                                     |
|------------------------|-------------------------------------|
| Filler / Reinforcement | • Glass Fiber, 40% Filler by Weight |
| Forms                  | • Pellets                           |

**Physical**

|   | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|---|-------------------------|------------------------|-------------|
| Density / Specific Gravity                | 1.20                    | 1.20 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg) | 4.0 g/10 min            | 4.0 g/10 min           | ASTM D1238  |

**Mechanical**

|                    | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--------------------|-------------------------|--------------------|-------------|
| Tensile Modulus    | 580000 psi              | 4000 MPa           | ASTM D638   |
| Tensile Strength   |                         |                    | ASTM D638   |
| Yield              | 8410 psi                | 58.0 MPa           |             |
| Break              | 8270 psi                | 57.0 MPa           |             |
| Tensile Elongation |                         |                    | ASTM D638   |
| Yield              | 6.0 %                   | 6.0 %              |             |
| Break              | 9.0 %                   | 9.0 %              |             |
| Flexural Modulus   | 827000 psi              | 5700 MPa           | ASTM D790   |
| Flexural Strength  | 12800 psi               | 88.0 MPa           | ASTM D790   |

**Impact**

|                     | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---------------------|-------------------------|--------------------|-------------|
| Notched Izod Impact | 4.0 ft·lb/in            | 210 J/m            | ASTM D256   |

**Hardness**

|                             | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------|-------------------------|--------------------|-------------|
| Rockwell Hardness (R-scale) | 91                      | 91                 | ASTM D785   |

**Thermal**

|                                   | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------|-------------------------|--------------------|-------------|
| Deflection Temperature Under Load |                         |                    | ASTM D648   |
| 66 Psi (0.45 Mpa), Unannealed     | 316 °F                  | 158 °C             |             |
| 264 Psi (1.8 Mpa), Unannealed     | 282 °F                  | 139 °C             |             |

**Additional Information**

Ash Content, ASTM D2584: 40%

**Notes**

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