

Technical Data Sheet

# Accutech CP0437T40V

Polypropylene Copolymer  
LyondellBasell Industries  
Engineering Plastics

| General                   |                              |
|---------------------------|------------------------------|
| Filler / Reinforcement    | • Talc, 40% Filler by Weight |
| Uses                      | • Automotive Applications    |
| Automotive Specifications | • GM GMP.PP.079 Color: Black |
| Forms                     | • Pellets                    |

| Physical                                  | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|---|-------------------------|------------------------|-------------|
| Density / Specific Gravity                | 1.23                    | 1.23 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg) | 12 g/10 min             | 12 g/10 min            | ASTM D1238  |

| Mechanical                 | Nominal Value (English) | Nominal Value (SI) | Test Method |
|----------------------------|-------------------------|--------------------|-------------|
| Tensile Modulus            | 450000 psi              | 3100 MPa           | ASTM D638   |
| Tensile Strength (Yield)   | 4350 psi                | 30.0 MPa           | ASTM D638   |
| Tensile Elongation (Break) | 20 %                    | 20 %               | ASTM D638   |
| Flexural Modulus           | 551000 psi              | 3800 MPa           | ASTM D790   |
| Flexural Strength          | 7540 psi                | 52.0 MPa           | ASTM D790   |

| Impact              | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---------------------|-------------------------|--------------------|-------------|
| Notched Izod Impact | 0.81 ft·lb/in           | 43 J/m             | ASTM D256   |

| Hardness                    | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------|-------------------------|--------------------|-------------|
| Rockwell Hardness (R-scale) | 87                      | 87                 | ASTM D785   |

| Thermal                           | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------|-------------------------|--------------------|-------------|
| Deflection Temperature Under Load |                         |                    | ASTM D648   |
| 66 Psi (0.45 Mpa), Unannealed     | 275 °F                  | 135 °C             |             |
| 264 Psi (1.8 Mpa), Unannealed     | 172 °F                  | 78.0 °C            |             |

| Additional Information             |
|------------------------------------|
| Ash Content, ASTM D2584: 37 to 43% |

**Notes**

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