

Technical Data Sheet

# Accutech HP0315V

Polypropylene Homopolymer  
LyondellBasell Industries  
Engineering Plastics

| General  |   |
|----------|---|
| Features | <ul style="list-style-type: none"> <li>Heat Aging Resistant</li> </ul>    |
| Uses     | <ul style="list-style-type: none"> <li>Automotive Applications</li> </ul> |
| Forms    | <ul style="list-style-type: none"> <li>Pellets</li> </ul>                 |

| Physical                                  | Nominal Value (English) | Nominal Value (SI)      | Test Method |
|---|-------------------------|-------------------------|-------------|
| Density / Specific Gravity                | 0.905                   | 0.903 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg) | 5.0 g/10 min            | 5.0 g/10 min            | ASTM D1238  |

| Mechanical                 | Nominal Value (English) | Nominal Value (SI) | Test Method |
|----------------------------|-------------------------|--------------------|-------------|
| Tensile Modulus            | 181000 psi              | 1250 MPa           | ASTM D638   |
| Tensile Strength (Yield)   | 5220 psi                | 36.0 MPa           | ASTM D638   |
| Tensile Elongation (Break) | 25 %                    | 25 %               | ASTM D638   |
| Flexural Modulus           | 210000 psi              | 1450 MPa           | ASTM D790   |
| Flexural Strength          | 5800 psi                | 40.0 MPa           | ASTM D790   |

| Impact              | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---------------------|-------------------------|--------------------|-------------|
| Notched Izod Impact | 0.51 ft-lb/in           | 27 J/m             | ASTM D256   |

| Hardness                    | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------|-------------------------|--------------------|-------------|
| Rockwell Hardness (R-scale) | 86                      | 86                 | ASTM D785   |

| Thermal                           | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------|-------------------------|--------------------|-------------|
| Deflection Temperature Under Load |                         |                    | ASTM D648   |
| 66 Psi (0.45 Mpa), Unannealed     | 241 °F                  | 116 °C             |             |
| 264 Psi (1.8 Mpa), Unannealed     | 136 °F                  | 58.0 °C            |             |

| Electrical          | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---------------------|-------------------------|--------------------|-------------|
| Dielectric Strength | 750 V/mil               | 30 kV/mm           | ASTM D149   |

**Notes**

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