

Technical Data Sheet

Accutech HP0339W40L

Polypropylene Homopolymer
 LyondellBasell Industries
 Engineering Plastics

General

| | |
|------------------------|--|
| Filler / Reinforcement | • Wollastonite (CaSiO ₃), 40% Filler by Weight |
| Forms | • Pellets |

Physical

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|-------------------------|------------------------|-------------|
| Density / Specific Gravity | 1.25 | 1.25 g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg) | 21 g/10 min | 21 g/10 min | ASTM D1238 |

Mechanical

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--------------------|-------------------------|--------------------|-------------|
| Tensile Modulus | 522000 psi | 3600 MPa | ASTM D638 |
| Tensile Strength | | | ASTM D638 |
| Yield | 4350 psi | 30.0 MPa | |
| Break | 4060 psi | 28.0 MPa | |
| Tensile Elongation | | | ASTM D638 |
| Yield | 4.0 % | 4.0 % | |
| Break | 10 % | 10 % | |
| Flexural Modulus | 609000 psi | 4200 MPa | ASTM D790 |
| Flexural Strength | 6090 psi | 42.0 MPa | ASTM D790 |

Impact

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---------------------|-------------------------|--------------------|-------------|
| Notched Izod Impact | 0.56 ft·lb/in | 30 J/m | ASTM D256 |

Hardness

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------|-------------------------|--------------------|-------------|
| Rockwell Hardness (R-scale) | 78 | 78 | ASTM D785 |

Thermal

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------|-------------------------|--------------------|-------------|
| Deflection Temperature Under Load | | | ASTM D648 |
| 66 Psi (0.45 Mpa), Unannealed | 266 °F | 130 °C | |
| 264 Psi (1.8 Mpa), Unannealed | 183 °F | 84.0 °C | |

Additional Information

Ash Content, ASTM D2584: 40%

Notes

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