

Technical Data Sheet

## Accutech HD0234G40UVL

High Density Polyethylene  
LyondellBasell Industries  
Engineering Plastics

| General                                   |                                     |                        |             |
|-------------------------------------------|-------------------------------------|------------------------|-------------|
| Filler / Reinforcement                    | • Glass Fiber, 40% Filler by Weight |                        |             |
| Additive                                  | • UV Stabilizer                     |                        |             |
| Features                                  | • UV Resistant                      |                        |             |
| Physical                                  | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Density / Specific Gravity                | 1.25                                | 1.25 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg) | 2.0 g/10 min                        | 2.0 g/10 min           | ASTM D1238  |
| Ash Content                               | 40 %                                | 40 %                   | ASTM D2584  |
| Mechanical                                | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Tensile Modulus                           | 638000 psi                          | 4400 MPa               | ASTM D638   |
| Tensile Strength                          |                                     |                        | ASTM D638   |
| Yield                                     | 6820 psi                            | 47.0 MPa               |             |
| Break                                     | 7250 psi                            | 50.0 MPa               |             |
| Tensile Elongation                        |                                     |                        | ASTM D638   |
| Yield                                     | 2.0 %                               | 2.0 %                  |             |
| Break                                     | 4.0 %                               | 4.0 %                  |             |
| Flexural Modulus                          | 624000 psi                          | 4300 MPa               | ASTM D790   |
| Flexural Strength                         | 7980 psi                            | 55.0 MPa               | ASTM D790   |
| Impact                                    | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Notched Izod Impact                       | 1.2 ft-lb/in                        | 64 J/m                 | ASTM D256   |
| Hardness                                  | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Rockwell Hardness (R-scale)               | 52                                  | 52                     | ASTM D785   |
| Thermal                                   | Nominal Value (English)             | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load         |                                     |                        | ASTM D648   |
| 66 Psi (0.45 Mpa), Unannealed             | 264 °F                              | 129 °C                 |             |
| 264 Psi (1.8 Mpa), Unannealed             | 244 °F                              | 118 °C                 |             |

### Notes

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