



Lucent Pa G6-33

Polyamide 6  
LyondellBasell Industries  
Engineering Plastics

**Product Description**  
33% Glass Fiber Reinforced, Nylon 6

Colors Available  
Add "H" for Heat Stabilized  
Add "HU" for Weatherable  
Typical Properties, Dry as Molded

| General                |                                     |
|------------------------|-------------------------------------|
| Filler / Reinforcement | • Glass Fiber, 33% Filler by Weight |
| Appearance             | • Colors Available                  |

| Physical                          | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------|-------------------------|--------------------|-------------|
| Density / Specific Gravity        | 1.38                    | 1.38 g/cm³         | ASTM D792   |
| Mechanical                        | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Strength (Yield)          | 19000 psi               | 131 MPa            | ASTM D638   |
| Tensile Elongation (Break)        | 4.0 %                   | 4.0 %              | ASTM D638   |
| Flexural Modulus                  | 1.00E+6 psi             | 6890 MPa           | ASTM D790   |
| Flexural Strength                 | 31000 psi               | 214 MPa            | ASTM D790   |
| Impact                            | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Notched Izod Impact               |                         |                    | ASTM D256   |
| 73°F (23°C), 0.125 In (3.18 Mm)   | 1.6 ft·lb/in            | 85 J/m             |             |
| Thermal                           | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Deflection Temperature Under Load |                         |                    | ASTM D648   |
| 264 Psi (1.8 Mpa), Unannealed     | 400 °F                  | 204 °C             |             |
| Peak Melting Temperature          | 420 to 437 °F           | 216 to 225 °C      | ASTM D789   |

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

