

Technical Data Sheet  
**Lucent TPO TPO-20T**  
Polyolefin  
Engineering Plastics



#### Product Description

20% Mineral Filled Thermoplastic Polyolefin

Melt Flow Adjustable for Application  
Colors Available  
Add "U" for UV Stabilized  
Add "H" for Heat Stabilized

#### General

|                        |                                 |
|------------------------|---------------------------------|
| Filler / Reinforcement | • Mineral, 20% Filler by Weight |
| Appearance             | • Colors Available              |

| Physical                                                           | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|--------------------------------------------------------------------|-------------------------|------------------------|-------------|
| Density / Specific Gravity                                         | 1.04                    | 1.04 g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow (0.125 in (3.18 mm))                      | 0.010 in/in             | 1.0 %                  |             |
| Mechanical                                                         | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Tensile Strength (Yield)                                           | 3100 psi                | 21.4 MPa               | ASTM D638   |
| Tensile Elongation (Break)                                         | > 25 %                  | > 25 %                 | ASTM D638   |
| Flexural Modulus                                                   | 125000 psi              | 862 MPa                | ASTM D790   |
| Flexural Strength                                                  | 4400 psi                | 30.3 MPa               | ASTM D790   |
| Impact                                                             | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Notched Izod Impact (0.125 in (3.18 mm))                           | No Break                | No Break               | ASTM D256   |
| Thermal                                                            | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load<br>264 psi (1.8 MPa), Unannealed | 110 °F                  | 43.3 °C                | ASTM D648   |

#### Notes

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

