

Technical Data Sheet  
**Lucent PP CPP-120**  
Polypropylene Homopolymer  
Engineering Plastics



**Product Description**

20% Calcium Carbonate Filled, Homopolymer Polypropylene

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

**General**

|                        |                                           |
|------------------------|-------------------------------------------|
| Filler / Reinforcement | • Calcium Carbonate, 20% Filler by Weight |
| Features               | • Homopolymer                             |
| Appearance             | • Colors Available                        |

| Physical                                      | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------------------|-------------------------|--------------------|-------------|
| Density / Specific Gravity                    | 1.05                    | 1.05 g/cm³         | ASTM D792   |
| Molding Shrinkage - Flow (0.125 in (3.18 mm)) | 0.012 in/in             | 1.2 %              |             |
| Mechanical                                    | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Strength (Yield)                      | 4000 psi                | 27.6 MPa           | ASTM D638   |
| Tensile Elongation (Break)                    | > 10 %                  | > 10 %             | ASTM D638   |
| Flexural Modulus                              | 280000 psi              | 1930 MPa           | ASTM D790   |
| Flexural Strength                             | 6500 psi                | 44.8 MPa           | ASTM D790   |
| Impact                                        | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Notched Izod Impact (0.125 in (3.18 mm))      | 0.80 ft·lb/in           | 43 J/m             | ASTM D256   |
| Thermal                                       | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Deflection Temperature Under Load             |                         |                    | ASTM D648   |
| 264 psi (1.8 MPa), Unannealed                 | 145 °F                  | 62.8 °C            |             |

**Notes**

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

