

PA66 with 35% aramid fiber by weight

| Physical properties | Value | Unit  | Test Standard |
|---------------------|-------|-------|---------------|
| Density             | 1220  | kg/m³ | ISO 1183      |

  

| Mechanical properties                 | Value | Unit  | Test Standard |
|---------------------------------------|-------|-------|---------------|
| Tensile modulus (1mm/min)             | 9200  | MPa   | ISO 527-2/1A  |
| Tensile stress at break (5mm/min)     | 120   | MPa   | ISO 527-2/1A  |
| Tensile strain at break (5mm/min)     | 1.86  | %     | ISO 527-2/1A  |
| Flexural modulus (23°C)               | 7800  | MPa   | ISO 178       |
| Flexural strength (23°C)              | 180   | MPa   | ISO 178       |
| Charpy notched impact strength @ 23°C | 15    | kJ/m² | ISO 179/1eA   |

  

| Thermal properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| DTUL @ 1.8 MPa     | 246   | °C   | ISO 75-1/-2   |

### Injection Molding

Celstran can be processed on a standard injection molding unit. A general purpose metering screw is recommended with a zone distribution of 40% feed, 40% transition, and 20% metering. A free flowing check ring assembly is recommended.

Melt Temp: 305-310 °C.  
Mold Temp: 85- 95 °C.

### Disclaimer

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