

# CELBLEN C series

Plastics

Technical Information

TI-05255

## Properties

### CP114

Cellulose fiber-reinforced plastics (Cellulose fiber 40%)  
Standard

Properties	Test methods	Test conditions	Units	
Tensile strength	ISO 527	-	MPa	46
Flexural strength	ISO 178	-	MPa	80
Flexural modulus	ISO 178	-	MPa	4600
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	3
Deflection temperature under load	ISO 75	1.80MPa	deg C	115
Deflection temperature under load	ISO 75	0.45MPa	deg C	155
Density	ISO 1183	-	g/cm3	1.07

Note

- Test methods such as ISO standards are fully or almost compliant with the standards.
- Values are typical, not quality assured.

#### Typical settings for processing

Preliminary drying	Barrel temperature(deg C)				Screw rotation (rpm)	Back pressure (MPa)	Mold temperature (deg C)
	Nozzle	Front	Middle	Back			
3-5hrs 100-120deg C	180-200	180-200	160-180	140-160	70-90	5-20	40-80

\*Preliminary drying under the conditions above is required, although PP resin hardly absorbs moisture.