

# CELSTRAN® PP-CF40-03 AF3004 NAT

## CELSTRAN® Long Fibre

Celstran® PP-CF40-03 AF3004 Natural is a 40% long carbon fiber filled Polypropylene. This material imparts excellent modulus and impact properties.

### Product information

Resin Identification	PP-LCF40	ISO 1043
Part Marking Code	>PP-LCF40<	ISO 11469

### Typical mechanical properties

Tensile modulus	17600 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	97.5 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	0.75 %	ISO 527-1/-2
Flexural modulus	19300 MPa	ISO 178
Flexural strength	180 MPa	ISO 178
Charpy notched impact strength, 23°C	36.8 kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.33 <sup>[C]</sup>	

[C]: Calculated

### Physical/Other properties

Density	1130 kg/m <sup>3</sup>	ISO 1183
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### Characteristics

Processing	Injection Moulding
Delivery form	Pellets