



# 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		kJ/m²	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

#### Characteristics

Processing Injection Moulding

Delivery form Pellets

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