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# CELSTRAN® PP-GF50-10

## CELSTRAN® Long Fibre

50% long fiber glass reinforced, enhanced flow, UV stabilized, Polypropylene

## Product information

| | | |
|---|---|---|
| Resin Identification | PP-LGF50 | ISO 1043 |
| Part Marking Code | >PP-LGF50< | ISO 11469 |

## Typical mechanical properties

| | | | |
|---|---|---|---|
| Tensile modulus | 11000 | MPa | ISO 527-1/-2 |
| Tensile stress at break, 5mm/min | 107 | MPa | ISO 527-1/-2 |
| Tensile strain at break, 5mm/min | 1.7 | % | ISO 527-1/-2 |
| Flexural modulus | 11000 | MPa | ISO 178 |
| Flexural strength | 180 | MPa | ISO 178 |
| Charpy notched impact strength, 23 °C | 17 | kJ/m² | ISO 179/1eA |
| Poisson's ratio | 0.34[C] | | |

[C]: Calculated

## Flammability

| | | | |
|---|---|---|---|
| Burning Behav. at thickness h | HB[1] | class | IEC 60695-11-10 |
| Thickness tested | 1 | mm | IEC 60695-11-10 |

[1]: horizontal burn rate of roughly 62 mm/min

## Physical/Other properties

| | | | |
|---|---|---|---|
| Density | 1340 | kg/m³ | ISO 1183 |

## Injection

| | | |
|---|---|---|
| Back pressure | 3 | MPa |

## Characteristics

| | |
|---|---|
| Processing | Injection Moulding |
| Delivery form | Pellets |
| Special characteristics | High Flow |

## Additional information

Processing Notes

### Pre-Drying

It is normally not necessary to dry CELSTRAN PP. However, should there be surface moisture (condensate) on the molding compound as a result of incorrect storage, drying is required.

### Storage

The product can then be stored in standard conditions until processed.

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