

Factor® PP-LGF30 ES11 1-008 - PP

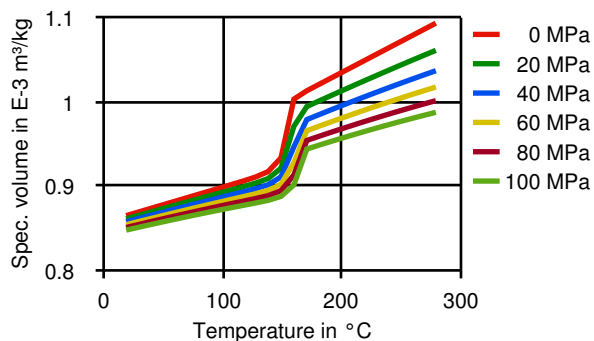
Description

Long glass fiber reinforced Polypropylene, Fiber content: 30%, cutting length: 11mm, color: black. Impact modified. Application: Injection molding

Physical properties	Value	Unit	Test Standard
Density	1120	kg/m ³	ISO 1183
Mechanical properties	Value	Unit	Test Standard
Tensile modulus	6500	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	110	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	2.4	%	ISO 527-2/1A
Flexural modulus, 23°C	5600	MPa	ISO 178
Flexural strength, 23°C	160	MPa	ISO 178
Charpy impact strength, 23°C	65	kJ/m ²	ISO 179/1eU
Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	145	°C	ISO 75-1, -2

Diagrams

Moldflow Specific volume-temperature (pvT)



Typical injection moulding processing conditions

Temperature	Value	Unit	Test Standard
Feeding zone temperature	230 - 250	°C	-
Zone1 temperature	240 - 250	°C	-
Zone2 temperature	250 - 260	°C	-
Zone3 temperature	260 - 270	°C	-
Zone4 temperature	270 - 275	°C	-
Nozzle temperature	275 - 280	°C	-
Melt temperature	≤280	°C	-
Mold temperature	40 - 65	°C	-
Pressure	Value	Unit	Test Standard
Back pressure max.	30	bar	-
Speed	Value	Unit	Test Standard
Injection speed	slow	-	-

Characteristics

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Product Categories

Glass reinforced, Impact modified

Delivery Form

Pellets

Processing

Injection molding