

Factor® PP-LGF30 S11 1-005 - PP

Description

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

Physical properties	Value	Unit	Test Standard
Density	1120	kg/m ³	ISO 1183

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	7000	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	105	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	2.5	%	ISO 527-2/1A
Flexural modulus, 23°C	7500	MPa	ISO 178
Flexural modulus, 80°C	5100	MPa	ISO 178
Flexural strength, 23°C	160	MPa	ISO 178
Flexural strength, 80°C	115	MPa	ISO 178
Charpy impact strength, 23°C	55	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	42	kJ/m ²	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	150	°C	ISO 75-1, -2

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	-
Mold temperature	45 - 65	°C	-
Pressure	Value	Unit	Test Standard
Back pressure max.	30	bar	-
Speed	Value	Unit	Test Standard
Injection speed	slow	-	-

Characteristics

Product Categories	Delivery Form
Glass reinforced	Pellets

Processing

Injection molding