

Factor® ADD PP LGF60/30 ES11 1-013 - PP

Description

Long glass fiber reinforced PP concentrate, contains all additives for dilution to 30% glass fiber in the part. Fiber content in the pellets 60%, cutting length 11mm, color: black. Mechanical properties are measured using material diluted to 30% fiber content. 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	100	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	2.4	%	ISO 527-2/1A
Charpy impact strength, 23 °C	60	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	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 - 70	°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