

Factor® PP-LGF50 S11 UV1-102 - PP

Description

Long glass fiber reinforced Polypropylene, fiber content 50%, cutting length 11mm, color :black, UV stabilized, application: Injection molding

Physical properties	Value	Unit	Test Standard
Density	1320	kg/m ³	ISO 1183

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	11000	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	125	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	1.8	%	ISO 527-2/1A
Charpy impact strength, 23°C	50	kJ/m ²	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	155	°C	ISO 75-1, -2

Typical injection moulding processing conditions

Temperature	Value	Unit	Test Standard
Feeding zone temperature	240 - 260	°C	-
Zone1 temperature	260 - 270	°C	-
Zone2 temperature	270 - 275	°C	-
Zone3 temperature	275 - 280	°C	-
Zone4 temperature	280 - 285	°C	-
Nozzle temperature	285 - 290	°C	-
Mold temperature	45 - 70	°C	-
Pressure	Value	Unit	Test Standard
Back pressure max.	40	bar	-
Speed	Value	Unit	Test Standard
Injection speed	slow-medium	-	-

Characteristics

Special Characteristics	Processing
UV resistant	Injection molding
Product Categories	Delivery Form
Glass reinforced	Pellets