

REBLEND® 5510M4 NERO - PC

Description

PC/ABS alloy, mineral filled.

Physical properties	Value	Unit	Test Standard
Density	1280	kg/m ³	ISO 1183
Melt flow rate, MFR	23	g/10min	ISO 1133
MFR temperature	260	°C	ISO 1133
MFR load	5	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	4200	MPa	ISO 527-2/1A
Tensile stress at yield, 50mm/min	55	MPa	ISO 527-2/1A
Tensile strain at yield, 50mm/min	2.5	%	ISO 527-2/1A
Tensile strain at break, 50mm/min	10	%	ISO 527-2/1A
Flexural modulus, 23°C	3900	MPa	ISO 178
Flexural strength, 23°C	90	MPa	ISO 178
Charpy notched impact strength, 23°C	4.3	kJ/m ²	ISO 179/1eA
Izod impact notched, 23°C	5	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	112	°C	ISO 75-1, -2

Typical injection moulding processing conditions

Pre Drying	Value	Unit	Test Standard
Drying time	2 - 4	h	-
Drying temperature	90	°C	-
Temperature	Value	Unit	Test Standard
Zone1 temperature	220 - 240	°C	-
Zone2 temperature	240 - 260	°C	-
Zone3 temperature	250 - 270	°C	-
Nozzle temperature	250 - 270	°C	-
Mold temperature	50 - 70	°C	-

Other text information

Longer pre-drying times/storage

This product should be stored in a covered facility and kept away from moisture and heat.

Characteristics

Product Categories	Processing
Mineral reinforced	Injection molding

