

REBLEND® B4070 - PA6

Description

ABS/PA6 blend, very high impact strength

Physical properties	Value	Unit	Test Standard
Density	1050	kg/m ³	ISO 1183
Melt flow rate, MFR	25	g/10min	ISO 1133
MFR temperature	240	°C	ISO 1133
MFR load	10	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	1900	MPa	ISO 527-2/1A
Tensile stress at yield, 50mm/min	42	MPa	ISO 527-2/1A
Tensile strain at yield, 50mm/min	2.5	%	ISO 527-2/1A
Tensile stress at break, 50mm/min	35	MPa	ISO 527-2/1A
Tensile strain at break, 50mm/min	>20	%	ISO 527-2/1A
Flexural modulus, 23°C	1800	MPa	ISO 178
Flexural strength, 23°C	60	MPa	ISO 178
Charpy impact strength, 23°C	>100	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	60	kJ/m ²	ISO 179/1eA
Izod impact notched, 23°C	55	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	104	°C	ISO 75-1, -2

Typical injection moulding processing conditions

Pre Drying	Value	Unit	Test Standard
Drying time	2 - 4	h	-
Drying temperature	80 - 90	°C	-
Temperature	Value	Unit	Test Standard
Zone1 temperature	230 - 250	°C	-
Zone2 temperature	240 - 260	°C	-
Zone3 temperature	255 - 275	°C	-
Nozzle temperature	250 - 270	°C	-
Mold temperature	50 - 80	°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
Impact modified, Polymer blend, Unfilled	Injection molding