

POLIFOR® C8 GB/20 V0 NERO WOD - PP

Description

Polypropylene, copolymer, 20% glass beads reinforced, V0, PBDE free.

Physical properties	Value	Unit	Test Standard
Density	1320	kg/m ³	ISO 1183
Melt flow rate, MFR	7	g/10min	ISO 1133
MFR temperature	230	°C	ISO 1133
MFR load	2.16	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	1900	MPa	ISO 527-2/1A
Tensile stress at yield, 50mm/min	17	MPa	ISO 527-2/1A
Tensile strain at break, 50mm/min	>20	%	ISO 527-2/1A
Flexural modulus, 23°C	2000	MPa	ISO 178
Flexural strength, 23°C	28	MPa	ISO 178
Charpy impact strength, 23°C	30	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	2.7	kJ/m ²	ISO 179/1eA
Izod impact notched, 23°C	3	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	55	°C	ISO 75-1, -2
Vicat softening temperature, 50°C/h 50N	70	°C	ISO 306
Flammability @1.6mm nom. thickn.	V-0	class	UL 94

Typical injection moulding processing conditions

Pre Drying	Value	Unit	Test Standard
Drying time	2 - 3	h	-
Drying temperature	80 - 100	°C	-
Temperature	Value	Unit	Test Standard
Zone1 temperature	190 - 210	°C	-
Zone2 temperature	200 - 220	°C	-
Zone3 temperature	210 - 230	°C	-
Nozzle temperature	210 - 230	°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

Special Characteristics	Processing
Flame retardant	Injection molding
Product Categories	Additives
Glass reinforced	Flame retarding agent