

POLIFOR C20 UV NEGRO 900 - PP

Physical properties	Value	Unit	Test Standard
Density	900	kg/m³	ISO 1183
Melt flow rate, MFR	20	g/10min	ISO 1133
MFR temperature	230	°C	ISO 1133
MFR load	2.16	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile stress at yield, 50mm/min	27	MPa	ISO 527-2/1A
Tensile strain at break, 50mm/min	>100	%	ISO 527-2/1A
Flexural modulus, 23°C	1200	MPa	ISO 178
Izod impact notched, 23°C	6	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	54	°C	ISO 75-1, -2
Vicat softening temperature, 50°C/h 50N	72	°C	ISO 306
Flammability @1.6mm nom. thickn.	HB	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	210 - 230	°C	-
Zone3 temperature	220 - 240	°C	-
Melt temperature	230 - 250	°C	-
Mold temperature	30 - 60	°C	-