



TECHNICAL DATA SHEET [TDS]

PP Dinaplen

REFERENCE: PPH1S20 G20-4137

PRODUCT DESCRIPTION

PP Homopolymer Dinaplen, 20% Glass fibre, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.05
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	4500
Stress at yield (5 mm/min)	MPa	ISO 527	65
Tensile Strain at yield (5mm/min)	%	ISO 527	2,8
Flexural modulus (2 mm/min)	MPa	ISO 178	4500
Flexural strength (2 mm/min)	MPa	ISO 178	100
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	9
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	40
Rheological			
Melt flow index M.F.I. (230°C, 2.16 kg)	g/10 min	ISO 1133	15
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	145
Processing			
Melt temperature range	°C	-	190-240
Recommended mould temperature	°C	-	25-65

UPDATE DATE

nov.-2017

The data submitted here are, to the best of Grupo Repol's knowledge, representative of the range of properties for the listed products, but should not be used to establish process limits or used as the direct basis of design. Colorants or other additives may alter these properties. The data are given for natural grade unless otherwise specified.

