


TECHNICAL DATA SHEET [TDS]
PP Dinaplen
REFERENCE: PPH1S01 G30 H-4137
PRODUCT DESCRIPTION

PP Homopolymer Dinaplen, 30% Glass fibre, Heat stabilized, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,13
Ash content	%	ISO 3451	30
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	6500
Stress at break (5 mm/min)	MPa	ISO 527	80
Strain at break (5 mm/min)	%	ISO 527	3
Flexural modulus (2 mm/min)	MPa	ISO 178	6800
Flexural strength (2 mm/min)	MPa	ISO 178	125
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	14
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	46
Rheological			
Melt flow index M.F.I. (230°C, 2.16 kg)	g/10 min	ISO 1133	1
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	145
Processing			
Melt temperature range	°C	-	210-250
Recommended mould temperature	°C	-	25-65

UPDATE DATE

oct.-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.

