


TECHNICAL DATA SHEET [TDS]
PP Dinaplen
REFERENCE: PPH1S04 B30-0018
PRODUCT DESCRIPTION

PP Homopolymer Dinaplen, 30% Glass beads, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,12
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2000
Stress at break (5 mm/min)	MPa	ISO 527	26
Strain at yield (5 mm/min)	%	ISO 527	5,9
Flexural strength (2 mm/min)	MPa	ISO 178	40
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	3
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	30
Rheological			
Melt flow index M.F.I. (230°C, 2.16 kg)	g/10 min	ISO 1133	4
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	66
VICAT softening temperature	°C	ISO 306-B50	101
Processing			
Melt temperature range	°C	-	190-240
Recommended mould temperature	°C	-	25-65

UPDATE DATE

sep.-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.

