


TECHNICAL DATA SHEET [TDS]
PP Dinaplen
REFERENCE: PPC1S04 B40-0018
PRODUCT DESCRIPTION

PP Copolymer Dinaplen, 40% Glass beads, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.21
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	1650
Stress at break (50 mm/min)	MPa	ISO 527	11
Strain at break (50 mm/min)	%	ISO 527	5.4
Flexural modulus (2 mm/min)	MPa	ISO 178	1750
Flexural strength (2 mm/min)	MPa	ISO 178	27
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	5.4
Tensile Stress at yield (5mm/min)	Mpa	ISO 527	15
Tensile Strain at yield (5mm/min)	%	ISO 527	2
Rheological			
Melt flow index M.F.I. (230°C, 2.16 kg)	g/10 min	ISO 1133	5
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	58
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.

