



TECHNICAL DATA SHEET [TDS]

PP Dinaplen

REFERENCE: PPC1S07 B10-9148

PRODUCT DESCRIPTION

PP Copolymer Dinaplen, 10% Glass beads, White

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	1500
Stress at break (5 mm/min)	MPa	ISO 527	15
Tensile Stress at yield (5mm/min)	Mpa	ISO 527	20
Tensile Strain at yield (5mm/min)	%	ISO 527	3,8
Strain at break (50 mm/min)	%	ISO 527	>50
Flexural modulus (2 mm/min)	MPa	ISO 178	1400
Flexural strength (2 mm/min)	MPa	ISO 178	35
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	70
Rheological			
Melt flow index M.F.I. (230°C, 2.16 kg)	g/10 min	ISO 1133	8
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	55

UPDATE DATE

abr.-2018

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.




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PROPERTIES	UNITS	METHOD	VALUE D.A.M
Processing			
Melt temperature range	°C	-	190-240
Recommended mould temperature	°C	-	25-65
Drying time	h	-	1 - 2

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