PP
Dinaplen®

Repol

TECHNICAL DATA SHEET [TDS]

PP Dinaplen **REFERENCE: PPC1S07 B10-7021**

PRODUCT DESCRIPTION

PP Copolymer Dinaplen, 10% Glass beads, RAL 7021

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm³	ISO 1183	1.03
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	1200
Stress at break (5 mm/min)	MPa	ISO 527	13
Tensile Stress at yield (5mm/min)	Mpa	ISO 527	19
Tensile Strain at yield (5mm/min)	%	ISO 527	4,3
Strain at break (50 mm/min)	%	ISO 527	>40
Flexural modulus (2 mm/min)	MPa	ISO 178	1200
Flexural strength (2 mm/min)	MPa	ISO 178	32
Charpy notched impact strength (23ºC)	kJ/m²	ISO 179/1eA	7
Charpy unnotched impact strength (23ºC)	kJ/m²	ISO 179/1eU	65
Rheological			
Melt flow index M.F.I. (230ºC, 2.16 kg)	g/10 min	ISO 1133	15
Thermal			
Heat deflection temperature HDT (1.80MPa)	ºC	ISO 75-A	55

UPDATE DATE may.-2018

The data submited 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	ºC	-	190-240
Recommended mould temperature	ºC	-	25-65
Drying time	h	-	1 - 2

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