


TECHNICAL DATA SHEET [TDS]
PP Dinaplen
REFERENCE: PPH1S15 G20 H-4137
PRODUCT DESCRIPTION

PP Homopolymer Dinaplen, 20% Glass fibre, Heat stabilized, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.05
Ash content	%	ISO 3451	20
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	4300
Stress at break (5 mm/min)	MPa	ISO 527	64
Tensile Strain at yield (5mm/min)	%	ISO 527	2.9
Strain at break (5 mm/min)	%	ISO 527	3
Flexural modulus (2 mm/min)	MPa	ISO 178	4100
Flexural strength (2 mm/min)	MPa	ISO 178	95
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	40
Rheological			
Melt flow index M.F.I. (230°C, 2.16 kg)	g/10 min	ISO 1133	14
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	138
Burning rate	mm/min	ISO 3795	<100

UPDATE DATE

dic.-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.




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

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