



TECHNICAL DATA SHEET [TDS]

PP Dinaplen

REFERENCE: PPH1S15 M303-4106

PRODUCT DESCRIPTION

PP Homopolymer Dinaplen, 30% Mineral filler, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.17
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	3100
Tensile Stress at break (5mm/min)	Mpa	ISO 527	23
Tensile Stress at yield (5mm/min)	Mpa	ISO 527	28
Tensile Strain at yield (5mm/min)	%	ISO 527	3,5
Strain at break (50 mm/min)	%	ISO 527	7
Flexural modulus (2 mm/min)	MPa	ISO 178	3100
Flexural strength (2 mm/min)	MPa	ISO 178	50
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	15
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	75

UPDATE DATE

feb.-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	-	185-235
Recommended mould temperature	°C	-	25-65

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