PP Dinaplen®

Repol

TECHNICAL DATA SHEET [TDS]

PP Dinaplen **REFERENCE: PPH1X20 M113 E-0151**

PRODUCT DESCRIPTION

PP Homopolymer Dinaplen, 11% Mineral filler, Food/ environmental grade, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm³	ISO 1183	0,98
Ash content	%	ISO 3451	11
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	3000
Stress at break (5 mm/min)	MPa	ISO 527	30
Strain at break (50 mm/min)	%	ISO 527	>7,5
Flexural modulus (2 mm/min)	MPa	ISO 178	2800
Flexural strength (2 mm/min)	MPa	ISO 178	60
Charpy notched impact strength (23ºC)	kJ/m²	ISO 179/1eA	3
Charpy unnotched impact strength (23ºC)	kJ/m²	ISO 179/1eU	45
Tensile Stress at yield (5mm/min)	Mpa	ISO 527	36
Tensile Strain at yield (5mm/min)	%	ISO 527	3,7
Rheological			
Melt flow index M.F.I. (230ºC, 2.16 kg)	g/10 min	ISO 1133	18
Thermal			
Heat deflection temperature HDT (1.80 MPa)	ºC	ISO 75-A	84

UPDATE DATE ago.-2017

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	-	210-250
Recommended mould temperature	ºC	-	30-60

UPDATE DATE ago.-2017

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