PP
Dinaplen®

Repol

TECHNICAL DATA SHEET [TDS]

PP Dinaplen **REFERENCE: PPH1S30 HUV-4123**

PRODUCT DESCRIPTION

PP Homopolymer Dinaplen, Heat stabilized, UV stabilized, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm³	ISO 1183	0.92
Mould shrinkage, parallel	%	ISO 294-4	1,35-1,75
Mould shrinkage, normal	%	ISO 294-4	1,35-1,75
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	1500
Stress at break (50 mm/min)	MPa	ISO 527	30
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	35
Tensile Strain at yield (50mm/min)	%	ISO 527	7
Strain at break (50 mm/min)	%	ISO 527	> 10
Flexural strength (2 mm/min)	MPa	ISO 178	47
Charpy notched impact strength (23ºC)	kJ/m²	ISO 179/1eA	3
Charpy unnotched impact strength (23ºC)	kJ/m²	ISO 179/1eU	60
Rheological			
Melt flow index M.F.I. (230ºC, 2.16 kg)	g/10 min	ISO 1133	30
Thermal			
Heat deflection temperature HDT (1.80 MPa)	ºC	ISO 75-A	63

UPDATE DATE jun.-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	-	175-210
Recommended mould temperature	ºC	-	10-40

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