PP
Dinaplen®

Repol

TECHNICAL DATA SHEET [TDS]

PP Dinaplen **REFERENCE: PPH1S25 UV-9010**

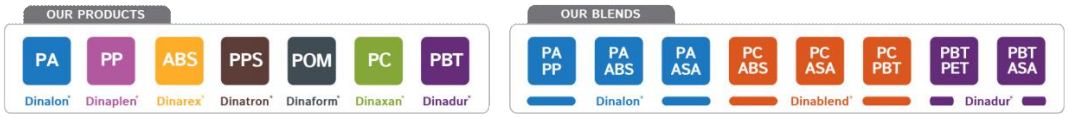
PRODUCT DESCRIPTION

PP Homopolymer Dinaplen, UV stabilized, RAL 9010

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	1400
Stress at break (50 mm/min)	MPa	ISO 527	29
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	33
Tensile Strain at yield (50mm/min)	%	ISO 527	8
Strain at break (50 mm/min)	%	ISO 527	> 10
Flexural modulus (2 mm/min)	MPa	ISO 178	1300
Flexural strength (2 mm/min)	MPa	ISO 178	47
Charpy notched impact strength (23ºC)	kJ/m²	ISO 179/1eA	4
Charpy unnotched impact strength (23ºC)	kJ/m²	ISO 179/1eU	90
Rheological			
Melt flow index M.F.I. (230ºC, 2.16 kg)	g/10 min	ISO 1133	25
Thermal			
Heat deflection temperature HDT (1.80 MPa)	ºC	ISO 75-A	60

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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