PP
Dinaplen®

Repol

TECHNICAL DATA SHEET [TDS]

PP Dinaplen **REFERENCE: PPC1S10 M203-4370**

PRODUCT DESCRIPTION

PP Copolymer Dinaplen, 20% Mineral filler, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm³	ISO 1183	1,06
Ash content	%	ISO 3451	20
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2200
Tensile Stress at yield (5mm/min)	Mpa	ISO 527	25
Strain at break (5 mm/min)	%	ISO 527	>40
Flexural modulus (2 mm/min)	MPa	ISO 178	2250
Flexural strength (2 mm/min)	MPa	ISO 178	40
Charpy notched impact strength (23ºC)	kJ/m²	ISO 179/1eA	4,5
Charpy unnotched impact strength (23ºC)	kJ/m²	ISO 179/1eU	>50
Rheological			
Melt flow index M.F.I. (230ºC, 2.16 kg)	g/10 min	ISO 1133	12
Thermal			
Heat deflection temperature HDT (1.80MPa)	ºC	ISO 75-A	67
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB
Burning rate	mm/min	ISO 3795	<100

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.

PP Dinaplen®

Repol

TECHNICAL DATA SHEET [TDS]

PP Dinaplen **REFERENCE: PPC1S10 M203-4370**

PRODUCT DESCRIPTION

PP Copolymer Dinaplen, 20% Mineral filler, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Processing			
Melt temperature range	ºC	-	185-240
Recommended mould temperature	ºC	-	25-65
Drying temperature	ºC	-	80
Drying time	h	-	2 - 4

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.