PP Dinaplen®

Repol

TECHNICAL DATA SHEET [TDS]

PP Dinaplen **REFERENCE: PPC1S15 G30-0007**

PRODUCT DESCRIPTION

PP Copolymer Dinaplen, 30% Glass fibre, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm³	ISO 1183	1,12
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	6200
Stress at yield (5 mm/min)	MPa	ISO 527	75
Strain at break (5 mm/min)	%	ISO 527	3,1
Flexural modulus (2 mm/min)	MPa	ISO 178	5800
Flexural strength (2 mm/min)	MPa	ISO 178	115
Charpy notched impact strength (23ºC)	kJ/m²	ISO 179/1eA	16
Charpy unnotched impact strength (23ºC)	kJ/m²	ISO 179/1eU	55
Rheological			
Melt flow index M.F.I. (230ºC, 2.16 kg)	g/10 min	ISO 1133	14
Thermal			
Heat deflection temperature HDT (1.80 MPa)	ºC	ISO 75-A	>150
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB
Burning rate	mm/min	ISO 3795	<100

UPDATE DATE ene.-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	-	190-240
Recommended mould temperature	ºC	-	25-65

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