



TECHNICAL DATA SHEET [TDS]

PP Dinaplen

REFERENCE: PPC1X10 G25HI-7451

PRODUCT DESCRIPTION

PP Copolymer Dinaplen 25% Glass fibre, High impact, soft touch, Grey

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,07
Mould shrinkage, parallel	%	ISO 294-4	0,6
Mould shrinkage, normal	%	ISO 294-4	0,8
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	1500
Stress at break (5 mm/min)	MPa	ISO 527	17
Flexural modulus (2 mm/min)	MPa	ISO 178	1500
Flexural strength (2 mm/min)	MPa	ISO 178	27
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	54
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	98
Hardness, Shore D	Shore D	ISO 868	50
Tensile Stress at yield (5mm/min)	Mpa	ISO 527	21
Tensile Strain at yield (5mm/min)	%	ISO 527	10
Rheological			
Melt flow index M.F.I. (230°C, 2.16 kg)	g/10 min	ISO 1133	8.4
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	58
Burning rate	mm/min	ISO 3795	<100

UPDATE DATE

ago.-2017

The data submitted 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	°C	-	190 - 240
Recommended mould temperature	°C	-	25 - 65

UPDATE DATE

ago.-2017

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