

## Technical Data Sheet [TDS]

## PPC Natural Dinaplen

Reference: PPC1S07 G20-0007

Properties	Unit	Method	Value d.a.m.
<b>Physical</b>			
Relative density	g/cm <sup>3</sup>	ISO 1183	1.04
<b>Mechanical</b>			
Tensile modulus (1 mm/min)	MPa	ISO 527	4700
Stress at yield (5 mm/min)	MPa	ISO 527	65
Strain at break (5 mm/min)	%	ISO 527	3.5
Flexural modulus (2 mm/min)	MPa	ISO 178	3400
Flexural strength (2 mm/min)	MPa	ISO 178	90
Charpy notched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1cA	12
Charpy unnotched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eU	45
<b>Rheological</b>			
Melt flow index M.F.I. (230°C, 2.16 kg)	g/10 min	ISO 1133	7
<b>Thermal</b>			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	135
<b>Processing</b>			
Melt temperature range	°C	-	190-240
Recommended mould temperature	°C	-	25-65

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.

Last update: 10/ 2010

