

## Technical Data Sheet [TDS]

## PC Dinaxan Natural

Reference: PC1S05 G40V0 H-0200

Properties	Unit	Method	Value d.a.m.
<b>Physical</b>			
Relative density	g/cm <sup>3</sup>	ISO 1183	1,54
Ash content	%	ISO 3451	40
<b>Mechanical</b>			
Tensile modulus (1 mm/min)	MPa	ISO 527	13500
Stress at break (5 mm/min)	MPa	ISO 527	145
Strain at yield (5 mm/min)	%	ISO 527	2
Strain at break (5 mm/min)	%	ISO 527	2
Flexural strength (2 mm/min)	MPa	ISO 178	210
Charpy notched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eA	11
Charpy unnotched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eU	45
<b>Rheological</b>			
Melt flow index M.F.I. (300°C, 2.16 kg)	g/10min	ISO 1133	7
<b>Thermal</b>			
VICAT softening temperature	°C	ISO 306-B50	148
Flammability classification (3 mm)	V0-V1-V2-HB	UL 94	V0
<b>Processing</b>			
Melt temperature range	°C	-	280-325
Recommended mould temperature	°C	-	80-120
Drying temperature	°C	-	120
Drying time	h	-	3-5

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: 09/ 2014



