

Technical Data Sheet [TDS]

PC Dinaxan Natural

Reference: PC3S10 E-0126

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1.20
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2350
Stress at yield (50 mm/min)	MPa	ISO 527	60
Strain at yield (50 mm/min)	%	ISO 527	6
Strain at break (50 mm/min)	%	ISO 527	>50
Flexural modulus (2 mm/min)	MPa	ISO 178	2400
Flexural strength (2 mm/min)	MPa	ISO 178	97
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	30
Rheological			
Melt flow index M.F.I. (300°C, 1.2 kg)	g/10min	ISO 1133	15
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	127
VICAT softening temperature	°C	ISO 306	148
Flammability classification (0.8 mm)	VO-V1-V2-HB	UL 94	HB
Glow wire ignition test, GWIT (2 mm)	°C	UNE-EN 60695-2-13	850
Processing			
Melt temperature range	°C	-	270-300
Recommended mould temperature	°C	-	80-120
Drying temperature	°C	-	120
Drying time	h	-	4

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: 12/ 2014



