



TECHNICAL DATA SHEET [TDS]

PC Dinaxan

REFERENCE: PC3S10 E-0126

PRODUCT DESCRIPTION

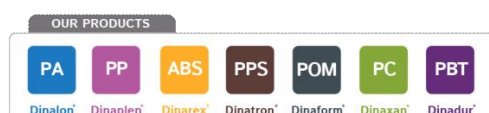
PC Dinaxan, Food/ environmental grade, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.20
Water absorbtion (immersion)	%	ISO 62	0.35
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2300
Stress at break (50 mm/min)	MPa	ISO 527	56
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	60
Tensile Strain at yield (50mm/min)	%	ISO 527	5,5
Strain at break (50 mm/min)	%	ISO 527	>80
Flexural modulus (2 mm/min)	MPa	ISO 178	2250
Flexural strength (2 mm/min)	MPa	ISO 178	93
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	60
Rheological			
Melt volume rate M.V.R. (300°C, 1.2 kg)	cm3/10min	ISO 1133	10

UPDATE DATE

jun.-2018

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
Thermal			
VICAT softening temperature	°C	ISO 306	146
Flammability classification (0.8 mm)	V0-V1-V2-HB	UL 94	V2
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	V2
Glow wire flammability index, GWFI (3 mm)	°C	UNE-EN 60695-2-12	960
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

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