



TECHNICAL DATA SHEET [TDS]

PC Dinaxan

REFERENCE: PC3S25 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
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2300
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	60
Tensile Strain at yield (50mm/min)	%	ISO 527	5
Strain at break (50 mm/min)	%	ISO 527	> 70
Flexural modulus (2 mm/min)	MPa	ISO 178	2400
Flexural strength (2 mm/min)	MPa	ISO 178	95
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	14
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	NB
Rheological			
Melt flow index M.F.I. (300°C, 1.2 kg)	g/10min	ISO 1133	22
Thermal			
VICAT softening temperature	°C	ISO 306	147
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB

UPDATE DATE

feb.-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
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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