



TECHNICAL DATA SHEET [TDS]

PC Dinaxan

REFERENCE: PC1S25-4188

PRODUCT DESCRIPTION

PC Dinaxan, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.19
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2250
Stress at break (50 mm/min)	MPa	ISO 527	46
Strain at break (50 mm/min)	%	ISO 527	>24
Flexural modulus (2 mm/min)	MPa	ISO 178	2300
Flexural strength (2 mm/min)	MPa	ISO 178	90
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	35
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	NB
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	58
Tensile Strain at yield (5mm/min)	%	ISO 527	5.1
Rheological			
Melt flow index M.F.I. (300°C, 1.2 kg)	g/10min	ISO 1133	30
Thermal			
VICAT softening temperature	°C	ISO 306-B50	138
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB

UPDATE DATE

dic.-2017

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	-	80-100
Drying temperature	°C	-	120
Drying time	h	-	4

UPDATE DATE

dic.-2017

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