


TECHNICAL DATA SHEET [TDS]
PC Dinaxan
REFERENCE: PC1S05 UV-5192
PRODUCT DESCRIPTION

PC Dinaxan, UV stabilized, Blue

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,19
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2300
Stress at break (50 mm/min)	MPa	ISO 527	49
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	39
Flexural modulus (2 mm/min)	MPa	ISO 178	2100
Flexural strength (2 mm/min)	MPa	ISO 178	92
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	5
Thermal			
VICAT softening temperature	°C	ISO 306-B50	146

UPDATE DATE

abr.-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	-	280-300
Recommended mould temperature	°C	-	80-120
Drying temperature	°C	-	120
Drying time	h	-	4

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