


TECHNICAL DATA SHEET [TDS]
PC Dinaxan
REFERENCE: PC1S20 UV-4316
PRODUCT DESCRIPTION

PC Dinaxan, UV stabilized, Black

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	2400
Stress at break (50 mm/min)	MPa	ISO 527	64
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	63
Strain at yield (50 mm/min)	%	ISO 527	5,7
Flexural modulus (2 mm/min)	MPa	ISO 178	2300
Flexural strength (2 mm/min)	MPa	ISO 178	98
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	12
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	NR
Rheological			
Melt flow index M.F.I. (300°C, 1.2 kg)	g/10min	ISO 1133	20
Thermal			
VICAT softening temperature	°C	ISO 306-B50	143

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 - 320
Recommended mould temperature	°C	-	85 - 120
Drying temperature	°C	-	120
Drying time	h	-	4

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