


TECHNICAL DATA SHEET [TDS]
PC Dinaxan
REFERENCE: PC1S20 UV-7439
PRODUCT DESCRIPTION

PC Dinaxan, UV stabilized, Grey

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	3000
Stress at break (50 mm/min)	MPa	ISO 527	60
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	66
Strain at break (50 mm/min)	%	ISO 527	6
Flexural modulus (2 mm/min)	MPa	ISO 178	2300
Flexural strength (2 mm/min)	MPa	ISO 178	103
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	11
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	23
Thermal			
VICAT softening temperature	°C	ISO 306-B50	142

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
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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