



TECHNICAL DATA SHEET [TDS]

PC Dinaxan

REFERENCE: PC1S25 UV-9233

PRODUCT DESCRIPTION

PC Dinaxan, UV stabilized, White

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.21
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2500
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	72
Tensile Strain at yield (50mm/min)	%	ISO 527	5.2
Strain at break (50 mm/min)	%	ISO 527	6.1
Flexural modulus (2 mm/min)	MPa	ISO 178	2600
Flexural strength (2 mm/min)	MPa	ISO 178	110
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	5
Rheological			
Melt flow index M.F.I. (300°C, 1.2 kg)	g/10min	ISO 1133	24
Thermal			
VICAT softening temperature	°C	ISO 306	>139
Flammability classification (3 mm)	V0-V1-V2-HB	UL 94	V2
Glow wire flammability index, GWFI (1 mm)	°C	UNE-EN 60695-2-12	
Burning rate	mm/min	ISO 3795	<100

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	-	280-310
Recommended mould temperature	°C	-	80-120
Drying temperature	°C	-	120
Drying time	h	-	4

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