



TECHNICAL DATA SHEET [TDS]

PC Dinaxan

REFERENCE: PC1S10 V0 UV-7035

PRODUCT DESCRIPTION

PC Dinaxan, V0 Halogen free, UV stabilized, RAL 7035

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,20
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2400
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	69
Tensile Strain at yield (50mm/min)	%	ISO 527	5,2
Strain at break (50 mm/min)	%	ISO 527	6,3
Flexural modulus (2 mm/min)	MPa	ISO 178	2500
Flexural strength (2 mm/min)	MPa	ISO 178	106
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	15
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	10
Thermal			
VICAT softening temperature	°C	ISO 306-B50	143
Flammability classification (3 mm)	V0-V1-V2-HB	UL 94	V0
Glow wire flammability index, GWFI (2 mm)	°C	UNE-EN 60695-2-12	960
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 - 320
Recommended mould temperature	°C	-	85 - 120
Drying temperature	°C	-	120
Drying time	h	-	4

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