

## Technical Data Sheet [TDS]

PC Dinaxan Black Estabilizado UV

Reference: PC1S25 G10V0 UV-4189

Properties	Unit	Method	Value d.a.m.
<b>Physical</b>			
Relative density	g/cm <sup>3</sup>	ISO 1183	1,27
<b>Mechanical</b>			
Tensile modulus (1 mm/min)	MPa	ISO 527	4500
Stress at break (5 mm/min)	MPa	ISO 527	77
Strain at yield (5 mm/min)	%	ISO 527	3,1
Strain at break (5 mm/min)	%	ISO 527	3,2
Flexural modulus (2 mm/min)	MPa	ISO 178	3200
Flexural strength (2 mm/min)	MPa	ISO 178	110
Charpy notched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eA	4
Charpy unnotched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eU	35
<b>Rheological</b>			
Melt flow index M.F.I. (300°C, 1.2 kg)	g/10min	ISO 1133	20
<b>Thermal</b>			
VICAT softening temperature	°C	ISO 306	>145
Flammability classification (3 mm)	V0-V1-V2-HB	UL 94	V0
<b>Processing</b>			
Melt temperature range	°C	-	280 - 325
Recommended mould temperature	°C	-	80 - 120
Drying temperature	°C	-	120
Drying time	h	-	3 - 5

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.

Last update: 11/ 2012



