

Technical Data Sheet [TDS]

PC UV stabilized White

Reference: PC1S25 UV-9210

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1.21
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2400
Stress at yield (50 mm/min)	MPa	ISO 527	61
Strain at yield (50 mm/min)	%	ISO 527	5.8
Strain at break (50 mm/min)	%	ISO 527	>80
Flexural modulus (2 mm/min)	MPa	ISO 178	2000
Flexural strength (2 mm/min)	MPa	ISO 178	88
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	10
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	25
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	120
VICAT softening temperature	°C	ISO 306-B50	141
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	V2
Glow wire flammability index, GWFI (2 mm)	°C	UNE-EN 60695-2-12	850
Processing			
Melt temperature range	°C	-	270-300
Recommended mould temperature	°C	-	80-120
Drying temperature	°C	-	120
Drying time	h	-	4

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/ 2014



