

Technical Data Sheet [TDS]

PC/PBT Dinablend Black

Reference: PCPBT1S15 UV-4305

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1,18
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2300
Stress at yield (50 mm/min)	MPa	ISO 527	56
Strain at yield (50 mm/min)	%	ISO 527	4,1
Strain at break (50 mm/min)	%	ISO 527	19
Flexural strength (2 mm/min)	MPa	ISO 178	81
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	50
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	NB
Thermal			
VICAT softening temperature	°C	ISO 306-B50	107
Processing			
Melt temperature range	°C	-	255 - 275
Recommended mould temperature	°C	-	60 - 80
Drying temperature	°C	-	95
Drying time	h	-	2 - 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: 03/ 2015



