

Technical Data Sheet [TDS]

PC/ABS Dinablend Black

Reference: PCABS2S10 G20-4213

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1.27
Ash content	%	ISO 3451	20
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	6800
Stress at break (5 mm/min)	MPa	ISO 527	83
Strain at yield (5 mm/min)	%	ISO 527	1,8
Strain at break (5 mm/min)	%	ISO 527	1,9
Flexural modulus (2 mm/min)	MPa	ISO 178	5400
Flexural strength (2 mm/min)	MPa	ISO 178	121
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	8,5
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	30
Rheological			
Melt flow index M.F.I. (260°C, 5 kg)	g/10min	ISO 1133	15
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	125
VICAT softening temperature	°C	ISO 306-B50	131
Processing			
Melt temperature range	°C	-	260 - 290
Recommended mould temperature	°C	-	50 - 75
Drying temperature	°C	-	115
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: 04/ 2013



