

Technical Data Sheet [TDS]

PBT Dinadur Black

Reference: PBT1S20 G15V0 H-4198

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1,43
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	7500
Stress at break (5 mm/min)	MPa	ISO 527	70
Strain at yield (5 mm/min)	%	ISO 527	1,62
Strain at break (5 mm/min)	%	ISO 527	1,65
Flexural modulus (2 mm/min)	MPa	ISO 178	5400
Flexural strength (2 mm/min)	MPa	ISO 178	115
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	4,5
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	25
Rheological			
Melt flow index M.F.I. (260°C, 2.16 kg)	g/10min	ISO 1133	15
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	205
VICAT softening temperature	°C	ISO 306-B50	204
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	V0
Electrical			
Comparative Tracking Index (CTI)	V	UNE EN 60112	425
Processing			
Melt temperature range	°C	-	240-265
Recommended mould temperature	°C	-	65-85
Drying temperature	°C	-	110
Drying time	h	-	4-5

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: 02/ 2013



