


TECHNICAL DATA SHEET [TDS]
PBT Dinadur
REFERENCE: PBT1S10 G30-4202
PRODUCT DESCRIPTION

PBT Dinadur, 30% Glass fibre, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.52
Humidity	%	ISO 15512-B	<0,25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	9150
Stress at break (5 mm/min)	MPa	ISO 527	125
Strain at break (5 mm/min)	%	ISO 527	2.5
Flexural modulus (2 mm/min)	MPa	ISO 178	8700
Flexural strength (2 mm/min)	MPa	ISO 178	176
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	7
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	45
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	204
Processing			
Melt temperature range	°C	-	250-275
Recommended mould temperature	°C	-	75-110
Drying temperature	°C	-	110
Drying time	h	-	4 - 8

UPDATE DATE

jun.-2018

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.

