


TECHNICAL DATA SHEET [TDS]
PBT Dinadur
REFERENCE: PBT2S25 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	1.55
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	9750
Stress at break (5 mm/min)	MPa	ISO 527	128
Strain at break (5 mm/min)	%	ISO 527	2.2
Flexural modulus (2 mm/min)	MPa	ISO 178	9150
Flexural strength (2 mm/min)	MPa	ISO 178	180
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	9
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	55
Rheological			
Melt flow index M.F.I. (250°C, 2.16 kg)	g/10min	ISO 1133	15
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	202
VICAT softening temperature	°C	ISO 306-B50	203

UPDATE DATE

sep.-2017

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.




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PROPERTIES	UNITS	METHOD	VALUE D.A.M
Processing			
Melt temperature range	°C	-	255 - 280
Recommended mould temperature	°C	-	80 - 90
Drying temperature	°C	-	110
Drying time	h	-	4-6

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