


TECHNICAL DATA SHEET [TDS]
PBT Dinadur
REFERENCE: PBT3S25-0114
PRODUCT DESCRIPTION

PBT Dinadur, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,31
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2600
Stress at yield (50 mm/min)	MPa	ISO 527	60
Strain at break (50 mm/min)	%	ISO 527	>20
Flexural strength (2 mm/min)	MPa	ISO 178	76
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	3
Rheological			
Melt flow index M.F.I. (250°C, 2.16 kg)	g/10min	ISO 1133	25
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	53
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	H.B.
Processing			
Melt temperature range	°C	-	250-270
Recommended mould temperature	°C	-	70-100
Drying temperature	°C	-	110
Drying time	h	-	4-6

UPDATE DATE

dic.-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.

