


TECHNICAL DATA SHEET [TDS]
PBT Dinadur
REFERENCE: PBT1S15 G30XV0-0137
PRODUCT DESCRIPTION

PBT Dinadur, 30% Glass fibre, V0 Halogenated, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.69
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	10250
Stress at break (5 mm/min)	MPa	ISO 527	122
Strain at break (5 mm/min)	%	ISO 527	2,3
Flexural modulus (2 mm/min)	MPa	ISO 178	10150
Flexural strength (2 mm/min)	MPa	ISO 178	194
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	10
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	>200
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	V0
Burning rate	mm/min	ISO 3795	<100
Processing			
Melt temperature range	°C	-	250 - 275
Recommended mould temperature	°C	-	80 - 110
Drying temperature	°C	-	110
Drying time	h	-	4 - 8

UPDATE DATE

may.-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.

