



TECHNICAL DATA SHEET [TDS]

PBT Dinadur

REFERENCE: PBT1S25 G10 UV-0089

PRODUCT DESCRIPTION

PBT Dinadur, 10% Glass fibre, UV stabilized, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,38
Mould shrinkage, parallel	%	ISO 294-4	0,65-1,05
Mould shrinkage, normal	%	ISO 294-4	1,1-1,6
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	5100
Stress at break (5 mm/min)	MPa	ISO 527	100
Strain at break (5 mm/min)	%	ISO 527	3.4
Flexural modulus (2 mm/min)	MPa	ISO 178	5900
Flexural strength (2 mm/min)	MPa	ISO 178	160
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	5
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	25
Rheological			
Melt flow index M.F.I. (250°C, 2.16 kg)	g/10min	ISO 1133	30
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	175
VICAT softening temperature	°C	ISO 306-B50	>200

UPDATE DATE

ene.-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.




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PROPERTIES	UNITS	METHOD	VALUE D.A.M
Processing			
Melt temperature range	°C	-	250-275
Recommended mould temperature	°C	-	75-110
Drying temperature	°C	-	110
Drying time	h	-	4 - 8

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