

Technical Data Sheet [TDS]

PBT Natural Dinadur

Reference: PBT1S10 G30V0-0161

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1.52
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	10000
Stress at break (5 mm/min)	MPa	ISO 527	100
Strain at break (5 mm/min)	%	ISO 527	2
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	50
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	203
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	V0
Processing			
Melt temperature range	°C	-	250 - 275
Recommended mould temperature	°C	-	75 - 110
Drying temperature	°C	-	110
Drying time	h	-	4-8

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.

Last update: 01/ 2015



