

## Technical Data Sheet [TDS]

## PBT Natural Dinadur

Reference: PBT1S25 G10B20-0216

Properties	Unit	Method	Value d.a.m.
<b>Physical</b>			
Relative density	g/cm <sup>3</sup>	ISO 1183	1,50
Ash content	%	ISO 3451	30
<b>Mechanical</b>			
Tensile modulus (1 mm/min)	MPa	ISO 527	6000
Stress at break (5 mm/min)	MPa	ISO 527	85
Strain at yield (5 mm/min)	%	ISO 527	3,2
Strain at break (5 mm/min)	%	ISO 527	3
Flexural strength (2 mm/min)	MPa	ISO 178	130
Charpy notched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eA	4,5
Charpy unnotched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eU	38
<b>Rheological</b>			
Melt flow index M.F.I. (260°C, 2.16 kg)	g/10min	ISO 1133	20
<b>Thermal</b>			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	182
<b>Processing</b>			
Melt temperature range	°C	-	270 - 285
Recommended mould temperature	°C	-	80 -100
Drying temperature	°C	-	110
Drying time	h	-	4-5

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: 04/ 2014



