

Technical Data Sheet [TDS]

PBT Natural Dinadur

Reference: PBT1S15 G30XV0-0137

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1.68
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	12000
Stress at break (5 mm/min)	MPa	ISO 527	140
Strain at break (5 mm/min)	%	ISO 527	2
Flexural strength (2 mm/min)	MPa	ISO 178	210
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	65
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	209
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: 04/ 2014



