


TECHNICAL DATA SHEET [TDS]
PBT Dinadur
REFERENCE: PBT1S10 HI H-7016
PRODUCT DESCRIPTION

PBT Dinadur, High impact, Heat stabilized, RAL 7016

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,27
Humidity	%	ISO 15512-B	<0,1
Mould shrinkage, parallel	%	ISO 294-4	2,49
Mould shrinkage, normal	%	ISO 294-4	2,41
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2000
Stress at break (50 mm/min)	MPa	ISO 527	25
Strain at break (50 mm/min)	%	ISO 527	>85
Flexural modulus (2 mm/min)	MPa	ISO 178	1900
Flexural strength (2 mm/min)	MPa	ISO 178	65
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	30
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	NB
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	44
Tensile Strain at yield (50mm/min)	%	ISO 527	5.3
Rheological			
Melt flow index M.F.I. (250°C, 2.16 kg)	g/10min	ISO 1133	12

UPDATE DATE

oct.-2017

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
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	46
VICAT softening temperature	°C	ISO 306-B50	166
Processing			
Melt temperature range	°C	-	250 - 270
Drying temperature	°C	-	110
Drying time	h	-	4-6

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