


TECHNICAL DATA SHEET [TDS]
PC/PBT Dinablend
REFERENCE: PCPBT1S30 G20 UV-7035
PRODUCT DESCRIPTION

PC/PBT Dinablend, 20% Glass fibre, UV stabilized, RAL 7035

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,37
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	6200
Tensile Stress at yield (5mm/min)	Mpa	ISO 527	90
Strain at break (5 mm/min)	%	ISO 527	2,3
Flexural modulus (2 mm/min)	MPa	ISO 178	6250
Flexural strength (2 mm/min)	MPa	ISO 178	140
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	5
Rheological			
Melt flow index M.F.I. (260°C, 5 kg)	g/10min	ISO 1133	32
Thermal			
VICAT softening temperature	°C	ISO 306-B50	>95
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB
Burning rate	mm/min	ISO 3795	<100

UPDATE DATE

nov.-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
Processing			
Melt temperature range	°C	-	255 - 280
Recommended mould temperature	°C	-	60 - 80
Drying temperature	°C	-	110
Drying time	h	-	3 - 4

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