


TECHNICAL DATA SHEET [TDS]
PC/ABS Dinablend
REFERENCE: PCABS1X25 TC1-4240
PRODUCT DESCRIPTION

PC/ABS Dinablend, Thermal conductivity, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Thermal			
Thermal Conductivity through plane	W/mK	ASTM E1461	1,5
Physical			
Relative density	g/cm ³	ISO 1183	1,45
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	6900
Stress at break (5 mm/min)	MPa	ISO 527	48
Strain at break (5 mm/min)	%	ISO 527	1
Flexural modulus (2 mm/min)	MPa	ISO 178	7900
Flexural strength (2 mm/min)	MPa	ISO 178	62
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	4
Thermal			
VICAT softening temperature	°C	ISO 306-B50	>100
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB
Burning rate	mm/min	ISO 3795	131
Thermal Conductivity in plane	W/mK	ASTM E1461	7
Electrical			
Surface resistivity	Ohm/sq	IEC 60093	10E3 - 10E4

UPDATE DATE

jun.-2018

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	-	260-290
Recommended mould temperature	°C	-	70-90
Drying temperature	°C	-	90-100
Drying time	h	-	3 - 4

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