PC ABS
Dinablend®

Repol

TECHNICAL DATA SHEET [TDS]

PC/ABS Dinablend **REFERENCE: PCABS1S25 V0 UV-9222**

PRODUCT DESCRIPTION

PC/ABS Dinablend, V0 Halogen free, UV stabilized, White

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm³	ISO 1183	1.21
Mould shrinkage, parallel	%	ISO 294-4	0.4-0.70
Mould shrinkage, normal	%	ISO 294-4	0.4-0.70
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2700
Stress at yield (50 mm/min)	MPa	ISO 527	61
Strain at yield (50 mm/min)	%	ISO 527	4,9
Strain at break (50 mm/min)	%	ISO 527	>12
Flexural strength (2 mm/min)	MPa	ISO 178	92
Charpy notched impact strength (23ºC)	kJ/m²	ISO 179/1eA	15
Charpy unnotched impact strength (23ºC)	kJ/m²	ISO 179/1eU	NB
Rheological			
Melt flow index M.F.I. (260ºC, 5 kg)	g/10min	ISO 1133	33
Thermal			
Heat deflection temperature HDT (0.45 MPa)	ºC	ISO 75-B	107
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	V0
Glow wire flammability index, GWFI (2 mm)	ºC	UNE-EN 60695-2-12	960

UPDATE DATE jul.-2017

The data submited 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	ºC	-	240-280
Recommended mould temperature	ºC	-	60-100
Drying temperature	ºC	-	100
Drying time	h	-	2 - 4

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