


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1S25 G50-5010
PRODUCT DESCRIPTION

PA6 Dinalon, 50% Glass fibre, RAL 5010

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.56
Humidity	%	ISO 15512-B	< 0.25
Mould shrinkage, parallel	%	ISO 294-4	0.2-0.4
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	15500
Stress at break (5 mm/min)	MPa	ISO 527	176
Strain at break (5 mm/min)	%	ISO 527	2,2
Flexural modulus (2 mm/min)	MPa	ISO 178	15400
Flexural strength (2 mm/min)	MPa	ISO 178	257
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	55
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	211
VICAT softening temperature	°C	ISO 306	> 200

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	-	265-290
Recommended mould temperature	°C	-	80-100
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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