


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1S25 G30 H-4101
PRODUCT DESCRIPTION

PA6 Dinalon, 30% Glass fibre, Heat stabilized, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.37
Humidity	%	ISO 15512-B	< 0.25
Mould shrinkage, parallel	%	ISO 294-4	0,2 - 0,5
Mould shrinkage, normal	%	ISO 294-4	0,6 - 1,0
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	9600
Stress at break (5 mm/min)	MPa	ISO 527	165
Strain at break (5 mm/min)	%	ISO 527	2,8
Flexural modulus (2 mm/min)	MPa	ISO 178	8600
Flexural strength (2 mm/min)	MPa	ISO 178	235
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	12
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	60
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	205
VICAT softening temperature	°C	ISO 306-B50	>200
Burning rate	mm/min	ISO 3795	<100

UPDATE DATE

may.-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	-	255-290
Recommended mould temperature	°C	-	60-90
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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