


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B2S25 G30-0005
PRODUCT DESCRIPTION

PA6 Dinalon, 30% Glass fibre, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,33
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	9000
Tensile Stress at yield (5mm/min)	Mpa	ISO 527	130
Strain at break (5 mm/min)	%	ISO 527	2,6
Flexural modulus (2 mm/min)	MPa	ISO 178	8800
Flexural strength (2 mm/min)	MPa	ISO 178	200
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	60
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	192
VICAT softening temperature	°C	ISO 306	> 200
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB
Electrical			
Dielectric strength	kV/mm	IEC 243-1	>25

UPDATE DATE

jul.-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	-	245-275
Recommended mould temperature	°C	-	60-90
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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