


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1S25 G10B20 H-4101
PRODUCT DESCRIPTION

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

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.35
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	5000
Tensile Stress at yield (5mm/min)	Mpa	ISO 527	75
Strain at break (5 mm/min)	%	ISO 527	3
Flexural modulus (2 mm/min)	MPa	ISO 178	4500
Flexural strength (2 mm/min)	MPa	ISO 178	122
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	3
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	30
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	130
VICAT softening temperature	°C	ISO 306	> 200
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB

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

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