


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1X25 G30V0-0031
PRODUCT DESCRIPTION

PA6 Dinalon, 30% Glass fibre, V0 Halogen free, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,43
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	11000
Stress at break (5 mm/min)	MPa	ISO 527	130
Strain at break (5 mm/min)	%	ISO 527	2.1
Flexural modulus (2 mm/min)	MPa	ISO 178	10700
Flexural strength (2 mm/min)	MPa	ISO 178	200
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	8
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	45
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	203
VICAT softening temperature	°C	ISO 306	> 200
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	V0
Glow wire flammability index, GWFI (2 mm)	°C	UNE-EN 60695-2-12	960
Burning rate	mm/min	ISO 3795	<100

UPDATE DATE

ene.-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	-	230-270
Recommended mould temperature	°C	-	60-90
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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