



TECHNICAL DATA SHEET [TDS]

PA6 Dinalon

REFERENCE: B1X25 G30PV0 H-4154

PRODUCT DESCRIPTION

PA6 Dinalon, 30% Glass fibre, V0 (Phosphorus based), Heat stabilized, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.46
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	1600
Stress at break (5 mm/min)	MPa	ISO 527	145
Strain at break (5 mm/min)	%	ISO 527	2,3
Flexural modulus (2 mm/min)	MPa	ISO 178	10000
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	50
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	195
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
Electrical			
Comparative tracking index (CTI)	V	IEC 112	400

UPDATE DATE

nov.-2017

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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