


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1X25 V0-4113
PRODUCT DESCRIPTION

PA6 Dinalon, V0 Halogen free, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.20
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	3900
Stress at break (50 mm/min)	MPa	ISO 527	66
Strain at yield (50 mm/min)	%	ISO 527	2,6
Strain at break (50 mm/min)	%	ISO 527	3
Flexural modulus (2 mm/min)	MPa	ISO 178	3600
Flexural strength (2 mm/min)	MPa	ISO 178	100
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	2,5
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	63
VICAT softening temperature	°C	ISO 306	> 200
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	V0
Flammability classification (3 mm)	V0-V1-V2-HB	UL 94	5VA
Glow wire flammability index, GWFI (2 mm)	°C	UNE-EN 60695-2-12	960

UPDATE DATE

oct.-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	-	210-240
Recommended mould temperature	°C	-	70-90
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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