


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1X25 V0-0003
PRODUCT DESCRIPTION

PA6 Dinalon, V0 Halogen free, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.19
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	3700
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	70
Stress at break (50 mm/min)	MPa	ISO 527	70
Strain at break (50 mm/min)	%	ISO 527	4
Flexural modulus (2 mm/min)	MPa	ISO 178	3500
Flexural strength (2 mm/min)	MPa	ISO 178	110
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	60
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	67
VICAT softening temperature	°C	ISO 306	> 200
Flammability classification (0.4 mm)	V0-V1-V2-HB	UL 94	V0
Flammability classification (0.8 mm)	V0-V1-V2-HB	UL 94	V0
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
Glow wire flammability index, GWFI (1 mm)	°C	UNE-EN 60695-2-12	960

UPDATE DATE

feb.-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	-	210-240
Recommended mould temperature	°C	-	60-90
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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