


TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A1X25 G30V0-4129
PRODUCT DESCRIPTION

PA66 Dinalon, 30% Glass fibre, V0 Halogen free, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,41
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	9900
Stress at break (5 mm/min)	MPa	ISO 527	124
Strain at break (5 mm/min)	%	ISO 527	2
Flexural modulus (2 mm/min)	MPa	ISO 178	9800
Flexural strength (2 mm/min)	MPa	ISO 178	184
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	6
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	40
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	238
VICAT softening temperature	°C	ISO 306	> 230
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 ignition test, GWIT (2 mm)	°C	UNE-EN 60695-2-13	775
Burning rate	mm/min	ISO 3795	<100

UPDATE DATE

ago.-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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Electrical			
Comparative Tracking Index (CTI)	V	UNE EN 60112	500
Processing			
Melt temperature range	°C	-	250-280
Recommended mould temperature	°C	-	70-100
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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