


TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A1S25 G25PV0 H-0010
PRODUCT DESCRIPTION

PA66 Dinalon, 25% Glass fibre, V0 (Phosphorus based), Heat stabilized, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.39
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	8650
Stress at break (5 mm/min)	MPa	ISO 527	125
Strain at break (5 mm/min)	%	ISO 527	2.6
Flexural modulus (2 mm/min)	MPa	ISO 178	8130
Flexural strength (2 mm/min)	MPa	ISO 178	178
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	237
Flammability classification (0.8 mm)	V0-V1-V2-HB	UL 94	V2
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
Glow wire ignition test, GWIT (1 mm)	°C	UNE-EN 60695-2-13	775
Glow wire ignition test, GWIT (2 mm)	°C	UNE-EN 60695-2-13	775

UPDATE DATE

jul.-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	-	250-280
Recommended mould temperature	°C	-	70-100
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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