


TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A1S25 G30-4101
PRODUCT DESCRIPTION

PA66 Dinalon, 30% Glass fibre, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.38
Humidity	%	ISO 15512-B	< 0,25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	9200
Stress at break (5 mm/min)	MPa	ISO 527	140
Strain at break (5 mm/min)	%	ISO 527	2.8
Flexural modulus (2 mm/min)	MPa	ISO 178	8800
Flexural strength (2 mm/min)	MPa	ISO 178	210
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	8
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	42
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	242
VICAT softening temperature	°C	ISO 306-B50	>200
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB
Burning rate	mm/min	ISO 3795	<100

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	-	255-290
Recommended mould temperature	°C	-	70-100
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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