


TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A1S30 G40-4101
PRODUCT DESCRIPTION

PA66 Dinalon, 40% Glass fibre, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.45
Humidity	%	ISO 15512-B	< 0.2
Ash content	%	ISO 3451	40
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	12000
Stress at break (5 mm/min)	MPa	ISO 527	170
Strain at break (5 mm/min)	%	ISO 527	2.5
Flexural modulus (2 mm/min)	MPa	ISO 178	11500
Flexural strength (2 mm/min)	MPa	ISO 178	260
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	12
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	70
Rheological			
Viscosity index ((H2SO4 96%))	ml/g	ISO 307	150
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	246

UPDATE DATE

nov.-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	-	270-300
Recommended mould temperature	°C	-	70-115
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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