


TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A2S25 G30-0081
PRODUCT DESCRIPTION

PA66 Dinalon, 30% Glass fibre, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,37
Humidity	%	ISO 15512-B	< 0.25
Ash content	%	ISO 3451	30
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	9800
Stress at break (5 mm/min)	MPa	ISO 527	154
Tensile Stress at yield (5mm/min)	Mpa	ISO 527	156
Tensile Strain at yield (5mm/min)	%	ISO 527	2,5
Strain at break (5 mm/min)	%	ISO 527	2.3
Flexural modulus (2 mm/min)	MPa	ISO 178	9200
Flexural strength (2 mm/min)	MPa	ISO 178	220
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	7
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	45
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	242
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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