


TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A1S25 G30MI-4109
PRODUCT DESCRIPTION

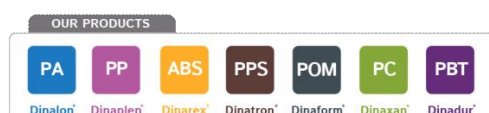
PA66 Dinalon, 30% Glass fibre, Medium impact, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.35
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	8250
Stress at break (5 mm/min)	MPa	ISO 527	125
Strain at break (5 mm/min)	%	ISO 527	2.8
Flexural modulus (2 mm/min)	MPa	ISO 178	7700
Flexural strength (2 mm/min)	MPa	ISO 178	196
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	14
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	60
Tensile Stress at yield (5mm/min)	Mpa	ISO 527	128
Tensile Strain at yield (5mm/min)	%	ISO 527	2.5
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	240
VICAT softening temperature	°C	ISO 306	> 200

UPDATE DATE

sep.-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	-	245-280
Recommended mould temperature	°C	-	70-100
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

UPDATE DATE

sep.-2017

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