


TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A1S25-4111
PRODUCT DESCRIPTION

PA66 Dinalon, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,14
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	3000
Stress at break (50 mm/min)	MPa	ISO 527	70
Strain at break (50 mm/min)	%	ISO 527	>2.4
Flexural modulus (2 mm/min)	MPa	ISO 178	2800
Flexural strength (2 mm/min)	MPa	ISO 178	100
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	NB
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	65
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB
Processing			
Melt temperature range	°C	-	250-275
Recommended mould temperature	°C	-	70-90
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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.

