


TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A1S25 G50 H-4101
PRODUCT DESCRIPTION

PA66 Dinalon, 50% Glass fibre, Heat stabilized, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.55
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	15800
Stress at break (5 mm/min)	MPa	ISO 527	190
Strain at break (5 mm/min)	%	ISO 527	2,2
Flexural modulus (2 mm/min)	MPa	ISO 178	15400
Flexural strength (2 mm/min)	MPa	ISO 178	290
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	11
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	65
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	252
VICAT softening temperature	°C	ISO 306	> 230
Processing			
Melt temperature range	°C	-	265-300
Recommended mould temperature	°C	-	70-100
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.

