


TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A1S25 G50 H-3176
PRODUCT DESCRIPTION

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

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.58
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	15320
Stress at break (5 mm/min)	MPa	ISO 527	180
Strain at break (5 mm/min)	%	ISO 527	2,3
Flexural modulus (2 mm/min)	MPa	ISO 178	1600
Flexural strength (2 mm/min)	MPa	ISO 178	280
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
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	255
Processing			
Melt temperature range	°C	-	265-300
Recommended mould temperature	°C	-	70-100
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

UPDATE DATE

jun.-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.

