


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1S25 G60 H-4182
PRODUCT DESCRIPTION

PA6 Dinalon, 60% Glass fibre, Heat stabilized, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,7
Humidity	%	ISO 15512-B	< 0.15
Ash content	%	ISO 3451	60
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	20300
Stress at break (5 mm/min)	MPa	ISO 527	220
Strain at break (5 mm/min)	%	ISO 527	1,8
Flexural modulus (2 mm/min)	MPa	ISO 178	20200
Flexural strength (2 mm/min)	MPa	ISO 178	335
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	18
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	60
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	210
Processing			
Melt temperature range	°C	-	270-300
Recommended mould temperature	°C	-	80-110
Drying temperature	°C	-	80
Drying time	h	-	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.

