


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1S25 G30DI-0011
PRODUCT DESCRIPTION

PA6 Dinalon, 30% Glass fibre, Dry impact, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.32
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	8600
Stress at break (5 mm/min)	MPa	ISO 527	140
Strain at break (5 mm/min)	%	ISO 527	4
Flexural modulus (2 mm/min)	MPa	ISO 178	8000
Flexural strength (2 mm/min)	MPa	ISO 178	225
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	23
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	93
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	202
Processing			
Melt temperature range	°C	-	245-280
Recommended mould temperature	°C	-	60-90
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.

