


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1X25 G30 E-0007
PRODUCT DESCRIPTION

PA6 Dinalon, 30% Glass fibre, Food/ environmental grade, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.36
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	10200
Stress at yield (5 mm/min)	MPa	ISO 527	180
Strain at yield (5 mm/min)	%	ISO 527	3
Flexural strength (2 mm/min)	MPa	ISO 178	240
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	13
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	80
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	206
VICAT softening temperature	°C	ISO 306	> 210
Processing			
Melt temperature range	°C	-	245-275
Recommended mould temperature	°C	-	60-90
Drying temperature	°C	-	80
Drying time	h	-	2-4

UPDATE DATE

jun.-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.

