


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B2S25 G50 EHUV-7146
PRODUCT DESCRIPTION

PA6 Dinalon, 50% Glass fibre, Food/ environmental grade, Heat stabilized, UV stabilized, Grey

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	14700
Stress at break (5 mm/min)	MPa	ISO 527	170
Strain at break (5 mm/min)	%	ISO 527	2
Flexural modulus (2 mm/min)	MPa	ISO 178	14800
Flexural strength (2 mm/min)	MPa	ISO 178	250
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	8
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	50
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	208
VICAT softening temperature	°C	ISO 306	> 200
Processing			
Melt temperature range	°C	-	260-275
Recommended mould temperature	°C	-	60-90
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

UPDATE DATE

may.-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.

