


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1S25-4303
PRODUCT DESCRIPTION

PA6 Dinalon, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.14
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2500
Stress at break (50 mm/min)	MPa	ISO 527	38
Strain at break (50 mm/min)	%	ISO 527	>28
Flexural modulus (2 mm/min)	MPa	ISO 178	2150
Flexural strength (2 mm/min)	MPa	ISO 178	82
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	NB
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	63
Tensile Strain at yield (50mm/min)	%	ISO 527	3.7
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	48
VICAT softening temperature	°C	ISO 306	> 200

UPDATE DATE

sep.-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.




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PROPERTIES	UNITS	METHOD	VALUE D.A.M
Processing			
Melt temperature range	°C	-	210-245
Recommended mould temperature	°C	-	70-90
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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sep.-2017

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