


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1S25 DI-7189
PRODUCT DESCRIPTION

PA6 Dinalon, Dry impact, Grey

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,11
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	1810
Stress at break (50 mm/min)	MPa	ISO 527	40
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	44
Tensile Strain at yield (50mm/min)	%	ISO 527	15
Strain at break (50 mm/min)	%	ISO 527	60
Flexural modulus (2 mm/min)	MPa	ISO 178	1850
Flexural strength (2 mm/min)	MPa	ISO 178	68
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	12
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	NB
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	50
Burning rate	mm/min	ISO 3795	< 100

UPDATE DATE

jun.-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.




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PROPERTIES	UNITS	METHOD	VALUE D.A.M
Processing			
Melt temperature range	°C	-	210-240
Recommended mould temperature	°C	-	50-80
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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