


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1S25 MI-4109
PRODUCT DESCRIPTION

PA6 Dinalon, Medium impact, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,10
Humidity	%	ISO 15512-B	< 0,25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2400
Stress at break (50 mm/min)	MPa	ISO 527	42
Strain at break (50 mm/min)	%	ISO 527	>33
Flexural modulus (2 mm/min)	MPa	ISO 178	2100
Flexural strength (2 mm/min)	MPa	ISO 178	82
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	15
Charpy notched impact strength (-30°C)	kJ/m ²	ISO 179/1eA	6
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	NB
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	58
Tensile Strain at yield (50mm/min)	%	ISO 527	3,7
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	54
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB
Burning rate	mm/min	ISO 3795	<100

UPDATE DATE

ago.-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	-	220-255
Recommended mould temperature	°C	-	50-80
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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ago.-2017

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