


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1X25 TC1-4240
PRODUCT DESCRIPTION

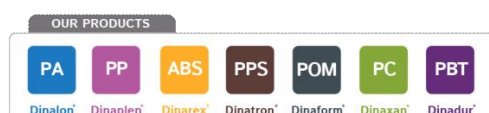
PA6 Dinalon, Thermal conductivity, Black, Graphite

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.33
Humidity	%	ISO 15512-B	<0,25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	5600
Stress at break (5 mm/min)	MPa	ISO 527	50
Strain at break (5 mm/min)	%	ISO 527	2
Flexural modulus (2 mm/min)	MPa	ISO 178	6400
Flexural strength (2 mm/min)	MPa	ISO 178	84
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	3.5
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	15
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	126
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB
Burning rate	mm/min	ISO 3795	<100
Thermal Conductivity in plane	W/mK	ASTM E1461	4,8
Thermal Conductivity through plane	W/mK	ASTM E1461	1,5
Electrical			
Surface resistivity	Ohm/sq	IEC 60093	10E4 - 10E5

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	-	240-290
Recommended mould temperature	°C	-	70-90
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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jun.-2018

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