


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1X25 TC1-0266
PRODUCT DESCRIPTION

PA6 Dinalon, Thermal conductivity, Nature

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Thermal			
Thermal Conductivity through plane	W/mK	ASTM E1461	1,1
Physical			
Relative density	g/cm ³	ISO 1183	1,93
Humidity	%	ISO 15512-B	<0,25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	6500
Stress at break (5 mm/min)	MPa	ISO 527	41
Strain at break (5 mm/min)	%	ISO 527	1,7
Flexural modulus (2 mm/min)	MPa	ISO 178	6300
Flexural strength (2 mm/min)	MPa	ISO 178	68
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	2,7
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	14
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	3,4

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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