


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1X35 C3-7001
PRODUCT DESCRIPTION

PA6 Dinalon, 3% Carbon fibre, RAL 7001

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,25
Humidity	%	ISO 15512-B	<0,25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	13700
Stress at break (5 mm/min)	MPa	ISO 527	155
Strain at break (5 mm/min)	%	ISO 527	2,4
Flexural modulus (2 mm/min)	MPa	ISO 178	12400
Flexural strength (2 mm/min)	MPa	ISO 178	230
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	42
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	198
VICAT softening temperature	°C	ISO 306	>200
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB
Electrical			
Surface resitivity	Ohm	IEC 60093	10000

UPDATE DATE

dic.-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	-	245 - 275
Recommended mould temperature	°C	-	80 - 95
Drying temperature	°C	-	80
Drying time	h	-	4

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