


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B1S25 B7-0018
PRODUCT DESCRIPTION

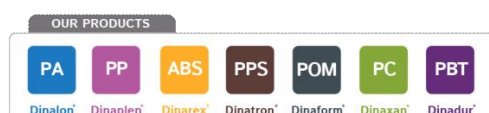
PA6 Dinalon, 7% Glass beads, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1,17
Humidity	%	ISO 15512-B	<0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2900
Stress at break (50 mm/min)	MPa	ISO 527	49
Tensile Stress at yield (5mm/min)	Mpa	ISO 527	66
Tensile Strain at yield (5mm/min)	%	ISO 527	3,6
Strain at break (50 mm/min)	%	ISO 527	23
Flexural strength (2 mm/min)	MPa	ISO 178	106
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	4
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	70
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	56
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB

UPDATE DATE

may.-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	-	245-275
Recommended mould temperature	°C	-	60-90
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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