


TECHNICAL DATA SHEET [TDS]
PA6 Dinalon
REFERENCE: B2S25-0013
PRODUCT DESCRIPTION

PA6 Dinalon Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.13
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2700
Stress at break (50 mm/min)	MPa	ISO 527	40
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	73
Tensile Strain at yield (50mm/min)	%	ISO 527	4
Strain at break (50 mm/min)	%	ISO 527	> 15
Flexural modulus (2 mm/min)	MPa	ISO 178	2700
Flexural strength (2 mm/min)	MPa	ISO 178	105
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	3
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	55
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	60
VICAT softening temperature	°C	ISO 306	> 200
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	V2
Glow wire flammability index, GWFI (2 mm)	°C	UNE-EN 60695-2-12	850
Burning rate	mm/min	ISO 3795	<100

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	-	210-245
Recommended mould temperature	°C	-	70-90
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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