


TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A3S40-0050
PRODUCT DESCRIPTION

PA66 Dinalon, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.14
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	3000
Stress at break (50 mm/min)	MPa	ISO 527	50
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	80
Tensile Strain at yield (50mm/min)	%	ISO 527	4
Strain at break (50 mm/min)	%	ISO 527	> 20
Flexural modulus (2 mm/min)	MPa	ISO 178	2700
Flexural strength (2 mm/min)	MPa	ISO 178	108
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	NB
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	65
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB

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	-	250 - 270
Recommended mould temperature	°C	-	70 - 90
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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