PA
Dinalon®

Repol

TECHNICAL DATA SHEET [TDS]

PA66 Dinalon **REFERENCE: A2S25 DI H-4109**

PRODUCT DESCRIPTION

PA66 Dinalon, Dry impact, Heat stabilized, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm³	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	57
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	65
Strain at yield (50 mm/min)	%	ISO 527	5
Strain at break (50 mm/min)	%	ISO 527	>25
Flexural modulus (2 mm/min)	MPa	ISO 178	2600
Flexural strength (2 mm/min)	MPa	ISO 178	100
Charpy notched impact strength (23ºC)	kJ/m²	ISO 179/1eA	10
Charpy unnotched impact strength (23ºC)	kJ/m²	ISO 179/1eU	NB
Thermal			
Heat deflection temperature HDT (1.80 MPa)	ºC	ISO 75-A	62

UPDATE DATE jun.-2018

The data submited 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	ºC	-	250-265
Recommended mould temperature	ºC	-	60-90
Drying temperature	ºC	-	80
Drying time	h	-	2 - 4

UPDATE DATE jun.-2018

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