PA
Dinalon®

Repol

TECHNICAL DATA SHEET [TDS]

PA66 Dinalon **REFERENCE: A1X25 H-4112**

PRODUCT DESCRIPTION

PA66 Dinalon, Heat stabilized, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm³	ISO 1183	1.14
Humidity	%	ISO 15512-B	< 0.12
Mould shrinkage, parallel	%	ISO 294-4	1,2-1,7
Mould shrinkage, normal	%	ISO 294-4	1,3-1,8
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	3100
Stress at break (50 mm/min)	MPa	ISO 527	75
Strain at break (50 mm/min)	%	ISO 527	3
Flexural modulus (2 mm/min)	MPa	ISO 178	3000
Flexural strength (2 mm/min)	MPa	ISO 178	120
Charpy notched impact strength (23ºC)	kJ/m²	ISO 179/1eA	6.5
Charpy unnotched impact strength (23ºC)	kJ/m²	ISO 179/1eU	40
Thermal			
Heat deflection temperature HDT (1.80MPa)	ºC	ISO 75-A	60
VICAT softening temperature	ºC	ISO 306	> 230

UPDATE DATE feb.-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	-	250-270
Recommended mould temperature	ºC	-	70-90
Drying temperature	ºC	-	80
Drying time	h	-	2 - 4

UPDATE DATE feb.-2018

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