


TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A1X25 MI H-4110
PRODUCT DESCRIPTION

PA66 Dinalon, Medium impact, Heat stabilized, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.11
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2400
Stress at break (50 mm/min)	MPa	ISO 527	50
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	60
Tensile Strain at yield (50mm/min)	%	ISO 527	>5
Strain at break (50 mm/min)	%	ISO 527	30
Flexural modulus (2 mm/min)	MPa	ISO 178	2300
Flexural strength (2 mm/min)	MPa	ISO 178	90
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	18
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
VICAT softening temperature	°C	ISO 306	> 200

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	-	250-265
Recommended mould temperature	°C	-	60-90
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

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