


TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A2X25 MI H-4109
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	2200
Stress at break (50 mm/min)	MPa	ISO 527	50
Strain at break (50 mm/min)	%	ISO 527	>20
Flexural modulus (2 mm/min)	MPa	ISO 178	2200
Flexural strength (2 mm/min)	MPa	ISO 178	80
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	15
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	NB
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	47
Thermal			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	55
Processing			
Melt temperature range	°C	-	260-285
Recommended mould temperature	°C	-	60-90
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

UPDATE DATE

ago.-2017

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.

