


TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A1X20 HI-0002
PRODUCT DESCRIPTION

PA66 Dinalon, High impact, Natural

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.08
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2100
Tensile Stress at yield (50mm/min)	Mpa	ISO 527	51
Strain at break (50 mm/min)	%	ISO 527	> 30
Flexural modulus (2 mm/min)	MPa	ISO 178	2000
Flexural strength (2 mm/min)	MPa	ISO 178	76
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	85
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	60
VICAT softening temperature	°C	ISO 306	> 200
Processing			
Melt temperature range	°C	-	250-265
Recommended mould temperature	°C	-	60-90
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

UPDATE DATE

feb.-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.

