


TECHNICAL DATA SHEET [TDS]
PA66 Dinalon
REFERENCE: A2V25 DI-4110
PRODUCT DESCRIPTION

PA66 Dinalon, Dry impact, Black

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm ³	ISO 1183	1.13
Humidity	%	ISO 15512-B	< 0.25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	2700
Strain at break (50 mm/min)	%	ISO 527	2.8
Flexural modulus (2 mm/min)	MPa	ISO 178	2600
Flexural strength (2 mm/min)	MPa	ISO 178	95
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	8
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	>40
Tensile Stress at break (50mm/min)	Mpa	ISO 527	62
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	-	245-265
Recommended mould temperature	°C	-	70-90
Drying temperature	°C	-	80
Drying time	h	-	2 - 4

UPDATE DATE

nov.-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.

