

Technical Data Sheet [TDS]

PA66 Black Dinalon

Reference: A1S25 G50 H-4101

Properties	Unit	Method	Value d.a.m.
Physical			
Relative density	g/cm ³	ISO 1183	1.57
Humidity	%	ISO 15512-B	< 0.25
Ash content	%	ISO 3451	50
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	16000
Stress at break (5 mm/min)	MPa	ISO 527	205
Strain at yield (5 mm/min)	%	ISO 527	2,1
Strain at break (5 mm/min)	%	ISO 527	2,1
Flexural strength (2 mm/min)	MPa	ISO 178	275
Charpy notched impact strength (23°C)	kJ/m ²	ISO 179/1eA	13
Charpy unnotched impact strength (23°C)	kJ/m ²	ISO 179/1eU	70
Thermal			
Heat deflection temperature HDT (1.80MPa)	°C	ISO 75-A	253
VICAT softening temperature	°C	ISO 306	> 230
Processing			
Melt temperature range	°C	-	265-300
Recommended mould temperature	°C	-	70-100
Drying temperature	°C	-	80
Drying time	h	-	2-4

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.

Last update: 02/ 2014



