

## Technical Data Sheet [TDS]

## PA66 Black Dinalon

Reference: A2X25 MI H-4109

Properties	Unit	Method	Value d.a.m.
<b>Physical</b>			
Relative density	g/cm <sup>3</sup>	ISO 1183	1.10
Humidity	%	ISO 15512-B	< 0.25
<b>Mechanical</b>			
Tensile modulus (1 mm/min)	MPa	ISO 527	2150
Stress at break (50 mm/min)	MPa	ISO 527	55
Strain at break (50 mm/min)	%	ISO 527	>35
Flexural strength (2 mm/min)	MPa	ISO 178	56
Charpy notched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eA	19
Charpy unnotched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eU	NB
<b>Thermal</b>			
Heat deflection temperature HDT (1.80 MPa)	°C	ISO 75-A	58
<b>Processing</b>			
Melt temperature range	°C	-	250-265
Recommended mould temperature	°C	-	60-90
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: 08/ 2014



